









**AMERICAN ASSOCIATION**  
**FOR THE**  
**ADVANCEMENT OF SCIENCE**

**A BRIEF HISTORY OF THE ASSOCIATION**  
FROM ITS FOUNDING IN 1848 TO 1940

**ITS PRESENT ORGANIZATION AND OPERATION**

**SUMMARIZED PROCEEDINGS**  
FOR THE PERIOD FROM  
JANUARY, 1934, TO JANUARY, 1940

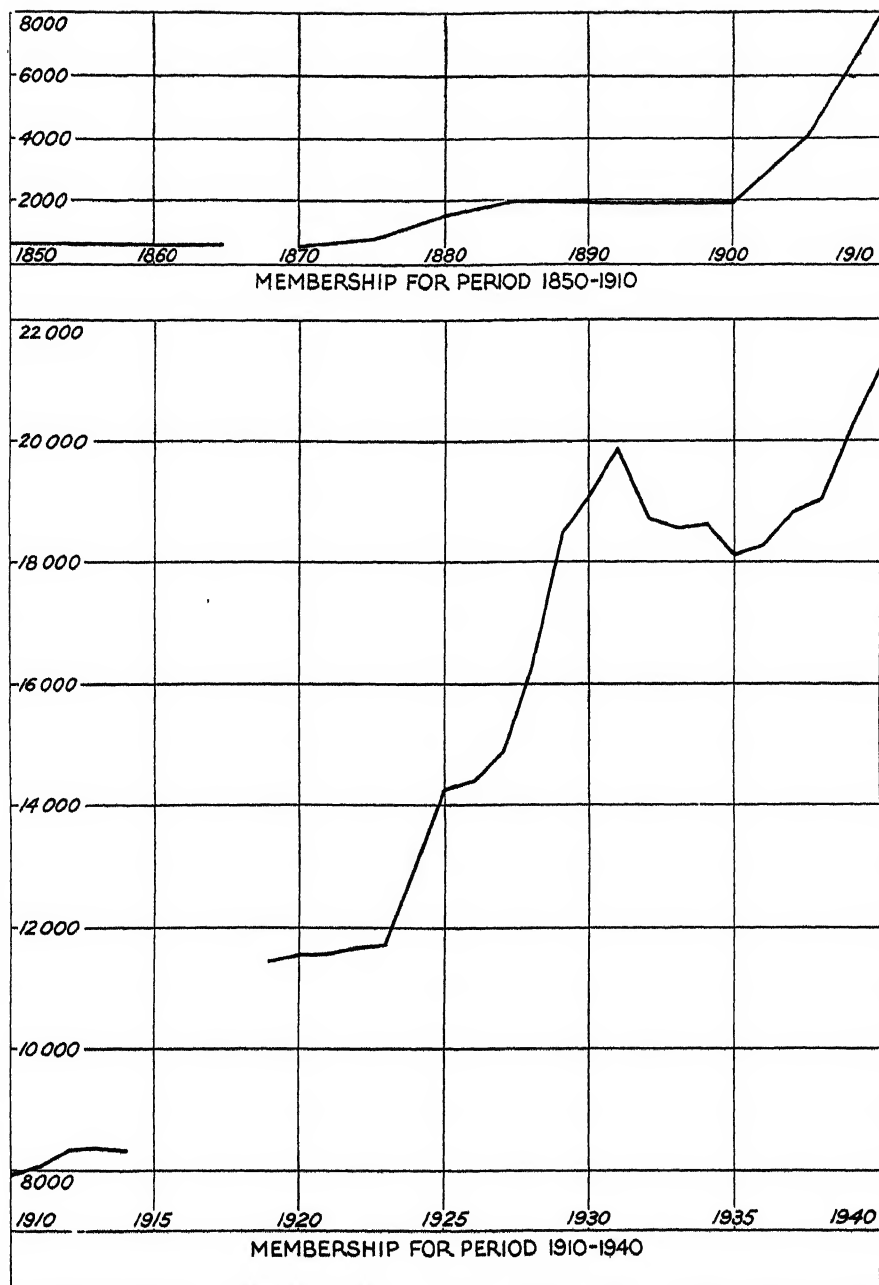
AND

**A DIRECTORY OF MEMBERS**  
AS OF JULY 1, 1940

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Horizontal and vertical scales are so chosen that equal slopes in the upper and lower graphs correspond to the same rate of change in membership.

No meetings were held in 1860-1865; *Science* became the official journal of the Association in 1900; records of membership are not available during the period of the World War; the effects of the depression on membership began in 1931.



## PREFACE

The mere sight of a large book raises the question whether it is worth what it cost in labor and money. Is it just another ponderous addition to burdened library shelves? Will it serve any useful purpose? These questions will be asked about this volume; the answer to them should be based upon its contents.

In one respect this volume is unique. It contains the names of the more than 21,000 members of the Association arranged by states and towns, with the field of special interest of each one indicated. Since a very large percentage of the leading scientists of the United States and Canada are members of the Association, there is in this book a convenient answer to the often-arising question concerning what scientists in some special field live in a certain part of the country. The names of members living in seventy foreign countries are similarly classified.

This volume contains also an alphabetical directory, which includes the names of all members of the Association, the degrees they have received, the academic or other positions they hold, their institutional or street addresses, their complete records as members of the Association, and the offices they have held in the Association.

This volume, however, does not consist primarily of lists of names. It contains a brief history of the Association since it was founded in 1848, and, consequently, of the development of American science, at least as far as it has been represented in the meetings of the Association. For clarity this history is divided into sections, each one except the first and the last covering a decade. Each section includes brief comments on the science of the period, a list of the presidential addresses delivered in it, often with quotations of interesting passages, the titles of other papers of special interest, and, if they are published, the places of their publication. The constitution adopted in 1874 established vice presidents for the sections who delivered retiring addresses, the titles and places of publication of which down to 1920 are included.

The section devoted to the period from 1921 to 1940 includes the titles and places of publication of the addresses of the presidents of the Pacific and Southwestern divisions. The section for this period includes also the titles and places of publication of all the Annual Sigma Xi addresses, of all Phi Beta Kappa addresses, of all Hector Maiben Memorial lectures and of all John Wesley Powell lectures, and, except when not known, the places of their publication.

Since this volume is especially a permanent summary record of the pro-

ceedings of the Association for the period from 1934 to 1940, the reports of its meetings for these years contain much more information than do those for earlier years. The titles listed include not only those of the addresses of presidents and vice presidents but also all those that were open to the public as general sessions, with references to the places of their publication. The titles of more than two hundred and fifty addresses and papers are given. This volume also contains the titles of all the symposia presented at the twenty-one meetings of the Association and its divisions from 1934 to 1940, a total of more than two hundred at which nearly fourteen hundred papers were read.

In short, this volume contains sketches of the science of our predecessors and much of that which is recent. Those whose memories reach back a few decades will feel as they read of the youth of the Association a certain nostalgia for simpler days and attitudes that have passed. It is hoped that they will catch enough echoes from the historical part of this record to awaken in them many happy memories and only pleasant anticipations for the future. Those who are in the early parts of their scientific careers will be most interested in current progress in science. They may even be a little amused at what now seem naive ideas that were held in earlier days. Yet it is hoped that for them the historical sections of this book will sometimes serve as a little mirror, like that in the front of a motor car, in which they may catch enough glimpses of the road science has traversed to assist them in steering it wisely into the future.

FOREST RAY MOULTON,  
*Permanent Secretary*

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## BRIEF HISTORY OF THE ASSOCIATION

### I. THE PERIOD TO 1850<sup>1</sup>

Although the American Association for the Advancement of Science was formally organized in 1848, and held its first meeting in Philadelphia on September 20 of that year, it had innumerable earlier beginnings in societies that were local or of limited ranges of interests, and in the hearts of many men engaged in the adventure of developing a civilization in this new continent. These societies and aspirations had antecedents, sometimes in America and sometimes across the sea in Europe. And they, in turn, had antecedents in more distant times and in more varied places. The waters of every stream come from innumerable sources.

#### EUROPEAN ANTECEDENTS TO 1700

With the Crusades (1096-1271) horizons expanded to include much of Europe; with the voyages of Columbus (1492) and Magellan (1518-1521), they began to encompass the earth; with the publication of Copernicus' *Revolutions* (1543) and Galileo's *Dialogues* (1632), they reached out into the celestial spaces; and with Newton's *Principia* (1687), the universe became orderly. Science was definitely on the march. In its ranks were Tycho Brahe (1546-1604), Napier (1550-1617), Francis Bacon (1560-1626), Kepler (1571-1630), Harvey (1578-1657), Descartes (1596-1650), von Guericke (1602-1686), Boyle (1627-1691), Huyghens (1629-1695), Hooke (1635-1703), Leibnitz (1646-1716) and many other men of lesser rank. The various origins of these names prove the breadth of the development of science in Europe.

But science did not march alone: the human mind moves in many columns. Students of law assembled in Bologna (1100), three schools were founded in Paris (1100), a medical faculty was organized in Bologna (1156), Roman law began to be taught in Montpellier (1160), students settled in Oxford (1167), paper was made in Spain (1189), University of Paris was granted a charter (1200), Peterhouse College, Cambridge, was founded (1284), spectacles were invented (1289), University of Vienna

<sup>1</sup> For an excellent history of the background, origin and first days of the Association, see "The Background and Origin of the American Association for the Advancement of Science" by Austin H. Clark, assisted by Leila Forbes Clark, Summarized Proceedings of the Association for the period June, 1929, to January, 1934, published by the Association in 1934, pp. 15-30. For an even more complete account of the origin and history of the Association, see "The History of the American Association for the Advancement of Science" by Herman L. Fairchild, *Science* 59: 365-369, 385-390, 410-415. 1924.

was opened (1364), printing was invented (c.1450), the Gregorian calendar was established (1582), circulation of the blood was discovered (Harvey, 1628), analytic geometry was invented (Descartes, 1637), Halley's Comet was observed (1682), Newcomen's steam engine was constructed (1705). In these centuries lived Roger Bacon (1214-1294?), St. Thomas Aquinas (1225-1274), Marco Polo (c.1254-1324), Dante (1265-1321), de Chauliac (1300-1368), Petrarch (1304-1374), Chaucer (c.1340-1400), Leonardo da Vinci (1452-1519), Michelangelo (1475-1564), Luther (1483-1546), Calvin (1509-1564), Cervantes (1547-1616), Spencer (c.1552-1599), Shakespeare (1564-1616), Rubens (1577-1640), Rembrandt (1606-1669), Milton (1608-1674), Molière (1622-1673), Racine (1639-1699), and De Foe (1660-1731). Harvard College was founded in 1636.

#### SETTLEMENT OF THE AMERICAS

It was during this period that North and South America were discovered, partially explored, and sparsely settled by Spain, Portugal, England, France, Holland, Germany, and Sweden. Those who crossed the Atlantic Ocean to this New World did so in search of gold, as hirelings of promoters, for adventure, to escape persecution, to obtain greater freedom, and to found homes. On the whole, they were fair samples of the stocks from which they came. During the seventeenth and first half of the eighteenth centuries these various peoples were becoming established, fusing their various somewhat different cultures, and acquiring a feeling of permanence. With this feeling of permanence they gradually realized that they were establishing a civilization in America. Then they began to think of its political organization and its institutions for culture.

#### SCIENCE IN THE EIGHTEENTH CENTURY

The progress of science in Europe during the eighteenth century was amazing, perhaps greater than in all previous time. At any rate, the history of science for this period is adorned by such names as D. Bernouilli (1700-1782), Linnaeus (1707-1778), Euler (1707-1783), Buffon (1707-1788), d'Alembert (1717-1783), Hutton (1726-1797), Hunter (1728-1793), Cavendish (1731-1810), Priestley (1733-1804), Lagrange (1736-1813), Watt (1736-1819), Galvani (1737-1798), Herschel (1738-1822), Scheele (1742-1786), Lavoisier (1743-1794), Lamarck (1744-1829), Volta (1745-1827), Laplace (1749-1827), Werner (1750-1817), Rumford (1753-1814), Dalton (1766-1844), Cuvier (1769-1832), Humboldt (1769-1859), Geoffrey-Saint-Hilaire (1772-1844), Young (1773-1829), Ampère (1775-1836), and numerous others. Their enormous contributions are evidenced by the fact that the names of many of them are preserved in the language of everyday use.

## EMANCIPATION OF THE MIND

In these centuries there were rebellions against dogmatic authority in religion, in philosophy and in government, as well as in science. To mention only a few of the rebellions and of the names of those who rebelled, there were Erasmus (1466-1536), Martin Luther and the Protestant Revolution (beginning in 1517), the Edict of Nantes (1598), Voltaire (1694-1778), Hume (1711-1776), Rousseau (1712-1778), Kant (1724-1804), Thomas Paine (1737-1809), the American Revolution (1775-1781), and the French Revolution (1789-1794).

A natural consequence of the great spirit of inquiry of this period was the organization of academies of the sciences and the arts, and of other learned societies of various kinds. In the fields of the sciences there were the Accademia dei Lincei (1603), Accademia del Cimento (1657), Royal Society of London (1662), Académie des Sciences and Académie Française (1666), Preussische Akademie der Wissenschaften (1700), Royal Swedish Academy (1741), American Philosophical Society (1743), Académie Impériale des Sciences de Saint-Petersbourg (1779), and American Academy of Arts and Sciences (1780). Although the American Philosophical Society sprang from, and is now dated back to, an informal organization formed by Benjamin Franklin in 1743, it received its first charter in 1780 from the Commonwealth of Pennsylvania, which was signed by Thomas Paine, Clerk of the General Assembly. Benjamin Franklin was the first president of the society, an office which he held until his death in 1790.

## THE AMERICAN PHILOSOPHICAL SOCIETY

Benjamin Franklin was a universal genius, widely honored in Europe as a scientist, noted for his experiments in electricity, author of many inventions all dedicated to the use of the public, founder of the first public library and the first public hospital in the New World, diplomatic representative of the American Colonies to England and to France, and renowned as a Philosopher. His attitude is revealed in the full title of The American Philosophical Society, which is, "The American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge." Other leaders in American public life had similar attitudes toward science. George Washington and John Adams believed that scientific institutions are the best and the most lasting protections of popular government. In the constitution of the Commonwealth of Massachusetts, adopted in 1780, in the section under the title, "The Encouragement of Literature, etc.," we find ". . . it shall be the duty of Legislatures and Magistrates, in all future periods of this Commonwealth, to cherish the interests of literature and the sciences, and all seminaries of them . . . to encourage private societies and public institutions, rewards and immunities, for the promotion of agriculture, arts, sciences,

commerce, trades, manufactures, and a natural history of the country . . .” Under this constitution of Massachusetts the American Academy of Arts and Sciences was incorporated in the same year (1780).

Thomas Jefferson, known primarily as the author of the Declaration of Independence and secondarily as a president of the United States, founded the University of Virginia and was an amateur scientist and a promoter of science. When he went to Philadelphia in 1797 to be inaugurated as Vice President of the United States he took with him a collection of fossil bones of a large mammal and the manuscript of a memoir on them to be read before the American Philosophical Society, of which he had been elected president the preceding year. He was also president of the American Philosophical Society during his term of office as President of the United States (1801-1809). He once wrote, “Nature intended me for the tranquil pursuit of sciences by rendering them my supreme delight.” The plans of the buildings for the University of Virginia and the scientific equipment Jefferson designed and installed in lovely Monticello, his home looking down upon Charlottesville, attest the sincerity of these sentiments.

#### ATTEMPTS AT FOUNDING NATIONAL SCIENTIFIC SOCIETIES

In 1816 an ambitious organization was launched under the name of the Columbian Institute for the Promotion of Arts and Sciences for many and diverse purposes, including the introduction and distribution of plants, investigations of plant, mineral and other resources, promotion of agriculture and foreign trade, the production of a topographical and statistical survey of the different natural divisions of the country, the founding of a national museum and library, etc. Among its officers and members were such men as John Quincy Adams, John C. Calhoun, Daniel Webster, Henry Clay and Edward Everett. Meetings were held twice a year for several years, but with the passing of its original moving spirits the society became moribund after 1825 and eventually passed into the National Institution for the Promotion of Science, which was organized and incorporated by an Act of Congress in 1840. This latter society held monthly meetings and issued a volume of Proceedings in three bulletins between 1840 and 1845.

In April, 1844, the National Institution for the Promotion of Science held in Washington a great congress of scientists to which were invited the members of the American Philosophical Society and of all other learned societies, and eminent citizens throughout the United States. The opening address was by John Tyler, President of the United States. The principal address was by Senator Robert J. Walker, of Mississippi. Ex-President John Quincy Adams, then Member of Congress from Massachusetts, Senator Woodbury of New Hampshire, the Hon. J. R. Ingersoll, of Pennsylvania, and the Hon. John C. Spencer, Secretary of War, served as chairmen

from session to session throughout the meeting, at which 43 papers were presented.

In spite of this auspicious beginning, the National Institution never held another general meeting and it passed out of existence technically, as well as actually, with the expiration of its charter in 1861. Its founding was a valiant attempt to organize the science of the country more or less under central political sponsorship, but it failed without appreciable effect upon American science and culture.

### THE AMERICAN JOURNAL OF SCIENCE

An event of major importance for the progress of science in America was the founding, in 1818, of the American Journal of Science and Arts (the words "and Arts" omitted after the year 1880) by Benjamin Silliman. No other scientific periodical in this country has enjoyed uninterrupted publication for so long a period, now 122 years. The American Journal of Science owes everything to Silliman, for he was not only its founder and its editor for many years, but its financial backer as well. Silliman's Journal, as it was often called, drew together as contributors, and after 1851 as associated editors, most of the leading scientists of the country. It provided them a place in which to publish their writings and made them acquainted with one another during a period in which travel was difficult and costly. It contributed greatly to solidarity among American scientists.<sup>1</sup>

### NATURAL PHILOSOPHY AND NATURAL HISTORY

In the early part of the nineteenth century science was almost universally classified as Natural Philosophy and Natural History. Although Benjamin Franklin had made many important contributions to what later became known as physics, geology was the first of the branches of Natural Philosophy to be vigorously cultivated in America. Interest in geology was partly utilitarian, for a new continent was to be explored and its mineral riches brought to light. Seventeen states made provisions for geological surveys between 1823 and 1839. This rapidly expanding interest in geology led to attempts at forming national geological societies. The first was the American Geological Society, incorporated in Connecticut in 1819. Silliman was one of its vice-presidents, and men from every state in the Union were included in its membership. The society died in 1826, but its spirit reappeared in the Association of American Geologists, organized in 1840.

### ORIGIN OF THE AMERICAN ASSOCIATION

Interest in natural history was not lacking, for provisions for it were included in the organization of general scientific societies, such as the Ameri-

<sup>1</sup>For an extended account of the origin and history of the American Journal of Science, see *A Century of Science in America* (1818-1918). Yale University Press. 1918.

can Philosophical Society, and papers on subjects in biological fields were welcomed in Silliman's Journal. In 1836, New York established a Natural History Survey, and Massachusetts a Zoological and Botanical Survey, in 1837. There rapidly developed an interest in organizing a society including both Natural Philosophy and Natural History, an interest that was doubtless stimulated by the founding of the British Association for the Advancement of Science, in 1831.

Dr. John Collins Warren, a leading citizen of Boston, read a paper at a meeting of the British Association in 1837. Upon his return to the United States in August, 1838, he actively undertook to promote the organization of a similar society in this country. A Committee of Correspondence of the American Association was formed, which late in October notified the American Philosophical Society of their activities and invited cooperation in organizing the proposed new society. On February 15, 1839, the American Philosophical Society passed a resolution declaring that in its opinion it was inexpedient for it to undertake the organization of the proposed Association. In spite of this action interest continued in establishing a general scientific society national in scope. In April, 1842, the Association of American Geologists, which had been organized in 1840, became The Association of American Geologists and Naturalists. Charles (later Sir Charles) Lyell, distinguished author of *Principles of Geology*, was present and took an active part in the meeting. This society held its last meeting in Boston in September, 1847; on September 24, under the chairmanship of William C. Redfield, the society passed a resolution to transform itself into the American Association for the Promotion of Science, an organization "designed to embrace all laborers in Physical Science and Natural History."

The new association held its first regular meeting in the library room of the Academy of Natural Sciences of Philadelphia on September 20, 1848, at 10 A.M. At noon the meeting was called to order by Professor William B. Rogers who read the draft of a Constitution and Rules of Order which had been drawn up by a committee appointed for the purpose at the meeting the preceding year. In this report the name of the organization was changed to the American Association for the Advancement of Science; upon its adoption the American Association for the Advancement of Science was born. At 4 P.M. the new society convened and the chairman, Professor Rogers, introduced the first president of the American Association for the Advancement of Science, Mr. William C. Redfield. There were 461 original members of the Association.

#### THE MEETINGS OF THE ASSOCIATION 1848-1850

The first meeting of the Association was held from 4 P.M. on Wednesday, September 20, 1848, until Monday, September 25, excluding Sunday, Sep-

tember 24. The scientific program of the meeting consisted of three papers on fossils read at the first session, of a communication on ocean winds and currents, of a General Session on Friday evening on subjects of wide interest, and of sessions daily of the two sections of the Association, namely, the "Section of Natural History, Geology, etc." and the "Section of General Physics, etc."

At the general session on Friday evening Professor William B. Rogers delivered an "annual address" which was not written out or printed. Then Benjamin Peirce read a paper "On the General Principles of Analytical Mechanics," followed by a paper by Louis Agassiz "On the Classification of the Animal Kingdom." These papers are not published in the Proceedings of the meeting and probably not anywhere else.

About 30 papers and communications of various kinds were presented before the Section of Natural History, Geology, etc., and about as many before the Section of General Physics, etc., few of which are printed in the Proceedings of the meeting. A list of the 461 members of the Association, including all the leading American scientists of the time, closes the volume of 156 pages.

The meeting in 1849 (the second meeting of the Association) was held in Cambridge, Massachusetts, from August 14 to August 20, inclusive (excluding Sunday, August 19), a total of six days, under the presidency of Joseph Henry. No presidential address was delivered, but there were several sessions of the Association as a whole and sessions of the sections of "Natural History, Geology, etc.," "General Physics, etc.," "Mathematics, Physics, and Astronomy," "Chemistry, Mineralogy, and Meteorology," "Geology and Paleontology," "Zoology," "Chemistry and Meteorology," "Natural History, Zoology, etc.," the new sections having been organized as a consequence of a great increase in the number of papers presented and the progressive specialization of science. This second Proceedings comprised 459 pages.

In 1850 the Association held two meetings, an intermediate meeting in Charleston, S. C., from March 12 to March 16, inclusive, and its annual meeting in New Haven, Conn., from August 19 to August 24, inclusive. In meeting in various places the Association was fulfilling one of its purposes as expressed in its Rules, namely, to hold "... periodical and migratory meetings, to promote intercourse between those who are cultivating science in different parts of the United States ...". At the Charleston meeting about 60 papers and informal communications were presented. At the New Haven meeting six General Sessions were held before which 26 papers and addresses were delivered. At the section meetings 114 papers were presented, 46 of which were in the general fields of geology and natural history and 68 in the fields of the physical sciences. The Proceedings of the third

(Charleston) meeting consist of 215 pages, while there are 414 pages in the Proceedings of the New Haven meeting. The membership of the Association at the Charleston meeting was 634; at the New Haven meeting it had become 684. On August 22 Joseph Henry, president of the Association for the preceding year, delivered an address as retiring president, but it was not written and the title of it is unknown.

## II. THE PERIOD FROM 1851 TO 1860

In order not to become involved in the endless details of individual meetings which have lost much of their importance with the passing of time, the history of the Association and the progress of science will be sketched by decades. The decade 1850-1860 is the first one after the Association had been organized and the pattern of its meetings established.

Several great scientific discoveries and generalizations had been made in the decades immediately preceding the one under consideration. One of the most important of these generalizations was Dalton's atomic theory (1808) based on Proust's experimental discovery of the law of multiple proportions in chemical reactions. This basic theory for chemistry was supplemented in 1811 by Avogadro's inference, or hypothesis, that equal volumes of different gases at the same temperature and under the same pressure contain the same number of molecules. The synthesis of urea by Wohler, in 1828, assured chemists that the laws of their science hold also in the organic field.

In the field of geology a new era was inaugurated by the publication of the three volumes of Lyell's *Principles of Geology* in 1830, 1832, and 1833. A reasonable basis for the long periods of time required by Lyell for the geological processes was provided in the Nebular Hypothesis of Laplace, published first in 1796 and in a somewhat expanded form in 1806. The law of the conservation of energy was formulated almost simultaneously by Robert Mayer and James P. Joule, in 1842. In 1847 Helmholtz extended it to the organic world. It was in the middle part of the first half of this century that Faraday and Joseph Henry discovered the relations between electricity and magnetism. It was in this period that the cell theory of the structure and functioning of living organisms took form, the papers of Schleiden and Schwann appearing in 1838-39. It was in the latter part of this half century that the principles of organic evolution began to take form in the minds of Darwin, Wallace and Spencer. As to inventions, Morse produced the telegraph in 1836; Daguerre first made photographs in 1839; and Long, Wells, Morton, and Simpson introduced the use of ether, nitrous oxide and chloroform, for producing anesthesia, in the years 1842 to 1847. Great scientific discoveries in the half century preceding the organization of

the Association naturally influenced its programs during the decade under consideration.

#### PRESIDENTIAL ADDRESSES

A. D. Bache (geography), president of the Association for 1851, normally would have delivered his retiring address at the meeting scheduled for Cleveland, Ohio, in August of 1852; but this meeting was postponed because of the prevalence of cholera along the approaches to Cleveland from the South. At the postponed meeting, held in July, 1853, Bache delivered his address, without formal title, saying that it would be "a few remarks in relation to the circumstances attending its (the Association's) organization, and to its progress, and some considerations of the direction in which we may look for its greatest usefulness." It is printed in the Proceedings for 1852, vol. 6. A short quotation will illustrate its tone.

But is it true that genius is beyond or above the stimulus of association? Let the man among us who has, if ever man had the true "divine breath," tell us, in simple and single-heartedness, whether he left that meeting of the British Association the same man who went there; whether the effect of that simple and single figure on the black-board, which showed to the geologists of the day discoveries to be made, founded on principles which created a new era in classification, was limited to his auditors, or even to cultivators of science through whom they spread with lightning rapidity and vividness: did it not react on him?

Benjamin Peirce (mathematics), president of the Association in 1853 and distinguished for his work in abstract mathematics, delivered his address as retiring president at the meeting held in Washington in May, 1854. Like the address of his predecessor, it was without an explicit title but referred in eloquent terms to the Association and of its relations to the progress of science. It is printed in the Proceedings for 1854, vol. 8. Its style may be inferred from its opening paragraph, which is by no means the most ornate.

In most offices, the duties terminate with the office, and the thing of the past, the ex-officer, is to the present an unknown quantity. But it is not so with your President. Science, with its time-annihilating power, which gives life to the fossil, which hurries the embryo future into premature birth, which ventures beyond the grave even to the foot of the invisible throne, sternly drags forward its reluctant presidents to their hardest trial when they have ceased to be, to a judgment after death severer than that of Rhadamanthus. This calling out of the actor upon the stage after the night of performance, when the blood is no longer warm, is all the worse to him who has never before made a set speech, all whose habits of thought are unknown to aesthetic display, and the Arctic latitudes of whose frigid studies are impenetrable to the God of eloquence and to the Muses who vibrate the silver-toned chords of human sympathy.

James D. Dana (geology), president of the Association in 1854, de-

livered his address as retiring president at the meeting held in Providence, R. I., in August, 1855. This address, also without a title, was an excellent exposition of the geological history of the earth, including "the progress of life from its earliest dawn to the appearance of man." All of it was on a high scientific, literary and philosophic plane. In the concluding paragraphs of his address Dana referred to the future of man as follows:

Another of our number has shown in eloquent language how the diversified features and productions of the Old World conspired to adapt it for the childhood and development of the race; and that, when beyond his pupilage, having accomplished his rescue from himself and the tyranny of forces around him, and broken the elements into his service, he needed to emerge from the trammels of the school-house in order to enjoy his fullest freedom of thought and action, and social union. Professor Guyot observes further, that America, ever free, was the appointed land for this freedom and union,—of which its open plains, and oneness of structure, were a fit emblem; and that, although long without signs of progress or hope in its future, this land is to be the centre of hope and light to the world.

In view of all these arrangements, man may well feel exalted. He is the last of the grand series. At his approach, the fierce tribes of the earth drew back, and the race dwindled to one fourth its bulk and ferocity,—the huge Mastodons, Lions, and Hyenas yielding place to other species, better fit to be his attendants, and more in harmony with the new creation.

Partaking of the Divine image, all nature pays him tribute; the universe is his field of study; an eternity his future. Surely it is a high eminence on which he stands. (Proceedings, vol. 9.)

John Torrey (botany), president in 1855, does not appear to have delivered an address as retiring president. His successor, James Hall (geology), delivered his address as retiring president at the Montreal meeting in August, 1857; it was published in 1882. (Proceedings, vol. 31, pp. 29-71.)

Professor J. W. Bailey (chemistry), elected president of the Association for 1857, died on February 27 at 46 years of age, the first president of the Association to die in office. Professor Alexis Caswell (astronomy) served in his place at the meeting held in Montreal in August, 1857, and also in place of Jeffries Wyman, president of the Association for the meeting held in Baltimore in May, 1858, but which he did not attend. On retiring from the duties of president of the Association, Caswell delivered an address at the meeting held in Springfield, Mass., in August, 1859. The first part of his address consisted of tributes to the members who had died during the year and brief sketches of their lives; the last part, to a discussion of current problems in astronomy.

There is no record that Stephen Alexander, president of the Association for the Springfield, Mass., meeting in August, 1859, delivered an address as retiring president at the meeting in Newport, R. I., in August, 1860. Nor did Isaac Lea, president for this meeting, deliver an address as retiring

president; the Association suspended activities during the period of the Civil War, 1861 to 1865.

PAPERS OF ESPECIAL INTEREST PRESENTED AT THE MEETINGS<sup>1</sup>

*The Cincinnati Meeting, May, 1851. (Vol. 5)*

1. On the Azoic System, as Developed in the Lake Superior Land District. J. W. Foster and J. D. Whitney.
2. On the Constitution of Saturn's Ring. Benjamin Peirce.
3. Notice of the Ancient Human Skulls, and other Bones, found in a Cave near Elyria, Ohio. Chas. Whittlesey, Sr.

*The Albany Meeting, August, 1851. (Vol. 6)*

1. On a New Form of Microscope, with a New Mode of Measurement of Dimensions and Angles. J. Lawrence Smith.
2. Remarks upon the Unconformability of the Palaeozoic Formations of the United States. Louis Agassiz.
3. Description of Samples of Ancient Cloth from the Mounds of Ohio. J. W. Foster.

*The Cleveland Meeting, July, 1853. (Vol. 7)*

1. On the Binocular Microscope. J. L. Riddell.
2. On the Geology of the Choctaw Bluff. A. Winchell.
3. On the Wheat-Fly and its Ravages. R. Howell.

*The Washington Meeting, May, 1854. (Vol. 8)*

1. Results of Some Investigations Respecting Biela's Double Comet. J. S. Hubbard.
2. On the Distribution of Temperature in and near the Gulf Stream, off the Coast of the United States, from Observations made in the Coast Survey. A. D. Bache.
3. An Account of a Tornado which passed over the State of Connecticut on the 9th of August, 1851. John Brocklesby.
4. Experimental Observations on Taste and Smell. Theodore C. Hilgard.

*The Providence Meeting, August, 1855. (Vol. 9)*

1. Improvements in the Electric Telegraph, whereby two or more Terminal Stations can make Simultaneous Use of the Same Wire. Moses G. Farmer.
2. On the Occurrence of the Ores of Iron in the Azoic System. J. D. Whitney.

<sup>1</sup> All references are to the Proceedings.

*The Albany Meeting, August, 1856. (Vol. 10)*

1. On Acoustics Applied to Public Buildings. Joseph Henry.
2. On the Spirality of Motion in Whirlwinds and Tornadoes. W. C. Redfield.
3. On the Agency of the Gulf-Stream in the Formation of the Peninsula of Florida. Joseph Le Conte.

*The Montreal Meeting, August, 1857. (Vol. 11)*

1. Zodiacal Light. Charles Wilkes, U.S.N.
2. Fluctuations of Level in the North American Lakes. Charles Whitteley.
3. Thoughts on Species. James D. Dana.
4. Laws of Descent of the Iroquois. Lewis H. Morgan.

*The Baltimore Meeting, May, 1858. (Vol. 12)*

1. On the Mean Distances of Periodic Comets. Daniel Kirkwood.
2. On the Australian Weapon called the Boomerang. Joseph Lovering.

*The Springfield, Mass., Meeting, August, 1859. (Vol. 13)*

1. On the Secular Variations of the Eccentricities and Perihelia of Certain of the Asteroids. Simon Newcomb.
2. On the Supposed Lunar Origin of Aerolites. B. A. Gould, Jr.
3. Contributions to the History of Gypsums and Magnesium Rocks. T. Sterry Hunt.
4. The Indian Mode of Bestowing and Changing Names. Lewis H. Morgan.

*The Newport, R. I., Meeting, August, 1860. (Vol. 14)*

1. The American Reindeer. L. E. Chittenden.

## MEMBERSHIP

During the early years of the Association its membership was published only at the close of the meetings. For the decade under consideration the memberships at the close of the meetings were as follows :

<i>Year</i>	<i>Meeting Place</i>	<i>Membership</i>	<i>Year</i>	<i>Meeting Place</i>	<i>Membership</i>
1851	Cincinnati	800	1856	Albany	722
1851	Albany	769	1857	Montreal	946
1853	Cleveland	940	1858	Baltimore	962
1854	Washington	1004	1859	Springfield	862
1855	Providence	605	1860	Newport	644

## III. THE PERIOD FROM 1861 TO 1870

During the twelve years between the organization of the Association in 1848 and the beginning of the period now to be considered the Association held 14 meetings. Many addresses delivered at these meetings contained enthusiastic and eloquent passages concerning the progress of civilization, the dissipation of dark superstitions, the increase in understanding of the beneficent purposes of the Creator and confident predictions of a Utopian future. Alas for their dreams that they were almost at the gates of Paradise! The Civil War broke out!

In the tragic hours in which these words are being written (May 17, 1940) a large fraction of the peoples who have made the greatest contributions to science, who through science have created unlimited comforts, stamped out diseases, revealed the majesty of the universe, taught us the long course of our evolution, pointed the way to unlimited progress—these are the peoples who are engaged in a struggle that appears about to destroy civilization. Our present apprehensions about the future should help us to understand conditions in 1861.

In April, 1861, the blood of men ran hot. Those who together had won their political freedom became bitter enemies; the aid of the Almighty was invoked in plans for slaughter; mutual hatreds flamed in the hearts of those who had been friends; families were divided by undying enmities; large sections of the country were laid waste and all of it was impoverished. For six years the Association held no meetings.

The first meeting of the Association after the termination of the Civil War was held at Buffalo, N. Y., in August, 1866. But it was not such a meeting as the previous ones had been. It was not such a meeting as the one scheduled for Nashville, Tenn., for April, 1861, would have been if it had not been for the outbreak of the war. Yet 79 members of the Association attended the meeting and 67 papers were presented, 18 of which were printed in the Proceedings of the meeting. Of these 18 papers, only one was in zoology and only one was in botany.

## PRESIDENTIAL ADDRESSES

Isaac Lea (geology) was president of the Association for the meeting held at Newport, R. I., in August, 1860, and was consequently retiring president at the next meeting held six years later at Buffalo, in August, 1866. Instead of delivering an extended formal address, he made a few remarks, in part as follows, in introducing F. A. P. Barnard, president at this meeting in Buffalo (vol. 15, p. 108):

In opening this meeting, it may be my duty to say that when we adjourned last, in Newport, R. I., in 1860, it was then proposed that we should meet in 1861, at Nashville,

Tenn. At the same time the distinguished President of Columbia College, N. Y., Prof. Barnard, was appointed to preside at that meeting. In the meantime, the great rebellion breaking out, the meeting was not, of course, called together, as that place was not either a fit or a safe one for loyal members to visit. It was also judged proper that our meetings should be in abeyance, as our minds and our time were occupied by duties of the utmost importance in the assistance of the restoration of that peace which has caused our beloved Union four eventful years of war.

F. A. P. Barnard, retiring president at the meeting held at Burlington, Vermont, in August, 1867, was not present at the meeting and did not deliver his address until the following year. However, the president for the meeting, J. S. Newberry (geology), delivered his retiring address which normally would have come at the following meeting. In it are evidences of the profound effects that were gradually being produced by the publication of Darwin's *Origin of Species* in 1859 (vol. 16, pp. 1-15):

Although the progress of the age to which I have referred has been a matter of wonder and delight to all students of humanity and civilization, many of our best men have been somewhat alarmed and dizzied by it; and, while accepting the achievements of modern industry and thought as full of present good and future promise, they are not a little concerned lest our railroad speed of progress should lead to its legitimate consequences, a final crash—not of things material, but of those of infinitely more value—of opinions and of faith. As often as it is boasted that this is pre-eminently an age of progress, that boast is met by the inevitable “but” (which qualifies our praise of all things earthly) “it is equally an age of scepticism.” For the truth of this assertion the proof is nearly as palpable as of the other; and in view of the ruthlessness with which the man of the present removes ancient landmarks and profanes shrines hallowed by the faith of centuries, it is not surprising that many of the good and wise among us should deplore a liberty of thought leading, in their view, inevitably to license, and mourn over this wide-spread scepticism as an evil and inscrutable disease that has fallen upon the minds and hearts of men. . . .

It would be impossible for any one to discuss in a fair and intelligent manner the great question of the origin of species, in anything less than a bulky volume. The merest mention is, therefore, all we can give to it at the present time. Although the appearance of Darwin's book on the *Origin of Species* communicated a distinct shock to the prevalent creeds, both religious and scientific, the hypothesis which it suggests, though now for the first time distinctly formularized, was by no means new; as it enters largely into the less clearly stated development theories of Oken, Lamarck, De Maillet, and the author of the “*Vestiges of Creation*.” There was this difference, however, that in the developmental theories of the older writers the element of evolution had a place; the process of development had its main-spring in an inherent growth, or tendency, such as produces the evolution of the successive parts in plant-life, while, according to Darwin, the beautiful symmetry and adaptation which we see in nature is simply the form assumed by plastic matter in the mould of external circumstances. . . .

Although this Darwinian hypothesis is looked upon by many as striking at the root of all vital faith, and is the *bête noire* of all those who deplore and condemn the materialistic tendency of modern science, still the purity of life of the author of the “*Origin of Species*,” his enthusiastic devotion to the study of truth, the industry and acumen which have marked his researches, the candor and caution with which his suggestions

have been made, all combine to render the obloquy and scorn with which they have been received in many quarters peculiarly unjust and in bad taste. It should also be said of Mr. Darwin that his views on the origin of species are not inconsistent with his own acceptance of the doctrine of Revelation; and that many of our best men of science look upon his theory as not incompatible with the religious faith which is the guide of their lives, and their hope for the future. To these men it seems presumption that any mere man should restrict the Deity in His manner of vitalizing and beautifying the earth. To them it is a proof of higher wisdom and greater power in the Creator that He should endow the vital principle with such potency that, pervaded by it, all the economy of nature, in both the animal and vegetable worlds, should be so nicely self-adjusting that, like a perfect machine from the hands of a master maker, it requires no constant tinkering to preserve the constancy and regularity of its movements.

F. A. P. Barnard (astronomy, physics), president of the Association for the meeting at Buffalo in August, 1866, delivered his address as retiring president at the meeting in Chicago in August, 1868. This address ranged widely over the then recent advances in the physical sciences—astronomy and celestial mechanics, electromagnetic phenomena, electrochemistry, solar parallax, the planetoids, the distance of Sirius, eclipses of the sun, sunspots, meteors, comets, glaciation, coal deposits in China, chemistry, the conservation of energy—and, finally, the speaker examined the properties of living organisms, including the activities of the mind, in the light of the physical laws he had discussed. A few paragraphs, all of which are well written and not one of which is dull, will illustrate the tenor of the address (vol. 17, pp. 57-101):

The philosophy therefore which makes thought a form of force, makes thought a mode of motion; converts the thinking being into a mechanical automaton, whose sensations, emotions, intellections, are mere vibrations produced in its material substance by the play of physical forces, and whose conscious existence must forever cease when the exhausted organism shall at length fail to respond to these external impulses. If the law of conservation of force is therefore to be extended to mental phenomena, the immortality of the soul can be no longer maintained. On this hypothesis indeed man has no soul. Life is but a momentary phenomenon, a casual condition of matter, to be classed with combustion, incandescence, sound, odor, anything most accidental and evanescent. More than this, the living being, while his brief consciousness endures, is the mere sport of forces foreign to himself. His conscious freedom of will is nothing but an illusion. His thoughts, his feelings, his acts, are all links in a chain of inevitable events, determined by unalterable physical laws. He ceases to be a moral agent or an accountable being. Let it be observed moreover that the doctrine of necessity here forced upon us, differs from that which has been inculcated by necessitarian philosophers heretofore. The necessity which fetters the will by making it the slave of motive, is one in which the coercion is moral and not physical; and which leaves us room at least to respect poor human nature though we may compassionate. That which presents will and motive together as two modes of motion, of which the first is but the second under a new form, is a necessity of which the slave has lost even respectability, and is reduced to the humble level of a piece of mechanism.

But it is not because of these consequences that I reject a doctrine so derogatory to

the dignity of humanity. The business of the philosopher is to follow on the trace of truth wherever it may lead. He must not suffer feeling, or preference, or prepossession, or prejudice, for a moment to bias his judgment. If the law of the conservation of force, rightly interpreted, conducts us of necessity to materialism, we must accept the conclusion, however humiliating we may find it to our pride or however ruinous to our hopes. To my mind no such necessity exists.

In proof of this position it is of course no argument, and I do not present it as one, to allege the utter incongruity which every mind uninfluenced, I was about to say unperturbed, by favorite philosophical preconceptions, feels to exist between mental and physical phenomena. Consciousness, to any mind, is a mystery sufficiently profound; but to suggest that it may be only a mode of motion, is to an ordinary mind little less than a self evident absurdity. But, as just remarked, this is no argument.

It is an argument, however, to say that thought cannot be a physical force, because thought admits of no measure. I think it will be conceded without controversy that there is no form of material substance, and no known force of a physical nature (and there are no other forces) of which we cannot in some form definitely express the quantity, by reference to some conventional measuring unit. Even while heat and light and electricity continued to be regarded as independent and unconvertible forces, they were still subjected to measurement, each after a manner peculiar to itself; and the ratio between the amount of latent heat of a pound of water and that of a pound of steam was as well known as it is now. The minutest quantities of electricity were determined by the most delicate of balances, and the intensities of different lights were numerically expressed by means of experimental and instrumental comparisons. Now no such means of measuring mental action has been suggested. No such means can be conceived.

Benjamin Apthorp Gould (astronomy), who was president at the meeting of the Association held at Chicago in August, 1868, delivered his presidential address at the meeting held at Salem, Mass., in August, 1869. Gould devoted considerable attention to the principal theme of his predecessor, but, in contrast to earlier presidents of the Association, he sharply warned his fellow members against overestimating American achievements in science (vol. 18, pp. 1-37):

We are accustomed to regard ourselves as belonging to a new country, and to palliate in our own hearts, even if not openly, our intellectual short-comings and our deficiencies in learning or culture, by this plea. And just as men who have attained eminence, notwithstanding an absence of early opportunities, are often accustomed to glory in this want of advantages, as though it had been a merit rather than a misfortune,—judging themselves always by a relative, instead of an absolute, standard,—so we American lovers of science are too much inclined to take note of the difficulties against which we have struggled or are struggling, rather than of the actual level which we have attained by the effort. Of course there is much to extenuate in this proclivity; how much, you all know. The want, until a recent date, of books of reference; the want of access to such implements of research as are beyond the reach of most private men; the want of time and energy to spare from the grand "struggle for existence"; and above all, the want of competent scientific counselors and guides for the beginner in scientific research; all these are well known to those of you who have attained an age at all ap-

proaching the meridian of life. Before the omniscient Judge, they will surely be credited to each individual in the great account. But if we consider not the individuals but the people, and hold the community responsible for its collective failures, while we give it credit for its collective achievements, in the intellectual field, I am sometimes apprehensive that we are given to pluming ourselves too much, and to estimating our progress rather by the number of obstacles which we know to have been surmounted, than by the mile-stones which have been left behind. Communities have merits and failings, as individuals have; they are but the integral of their many constituent individuals; and among our national failings can scarcely be counted that of judging ourselves too harshly. Our aim should not be to overcome difficulties, except so far as this is a necessary means of advance; it is progress, toward which our efforts should be directed, and if the obstacles are serious, we have, as a people, no right to credit merely for having surmounted them, provided we possess, and do not employ, the power to remove them. Can the intellectual standing and rank of a nation be fairly measured by the highest achievements of its ablest and most devoted men, if so be that these men or their deeds are not the legitimate fruit of the tendencies and influences at work, but, on the contrary, are exceptional cases, which have maintained their existence and even blossomed out by virtue of the humanity that was in them, notwithstanding hindrances and discouragements? . . .

"Two hundred and forty years," I hear some one say, "what are they in the development of a nation, or of its scientific character? Twenty-five centuries have passed since Thales predicted an eclipse of the sun; nineteen, since Sosigenes reformed the calendar for Julius Caesar; fourteen hundred years have rolled over the University of Bologna. What to you occidentals seems a hoary antiquity, is a mere yesterday for the dweller by the Tiber, the Thames, the Seine, the Danube or the Rhine." Be it so! Yet Hans Lippersheim's first suggestion of a telescope was eighteen months after Newport had sailed up the James River with his infant colony. The idea of a logarithm was then not born: Napier and Briggs were names unknown to fame. The oaks and beeches had been cleared from these hills, and our ancestors had built their rustic homes, at the time when Galileo was tortured into adjuring the profane doctrine that the earth moved, and not the sun. When Harvard endowed the college that bears his name, there was no such thing as a barometer or a thermometer. It is within these very two hundred and forty years that modern science has come into existence, and the world's intellect been turned from speculation to investigation. It is within this period that our implements of research have been devised, that the air-pump, the electrical machine and the clock have been invented, that every public chemical laboratory, every astronomical or physical observatory, and every academy of sciences has been founded. Boston had been settled when Keppler died. The grandchildren of the original colonists of Plymouth and the Massachusetts Bay were born, when the law of universal gravitation was first proclaimed by Newton.

Therefore it is that we must confess our scientific progress to have been far inferior to that of several European nations. And I fear that the confession might truthfully be made much broader, and include our progress in all purely intellectual studies, which hold forth no promise of immediate utility in promoting physical well-being or material convenience. If this is true, my friends, it is time that it should be so no longer. And before you, the declared lovers of science,—in this Association formed to promote her welfare and advancement,—here in the earliest seat of that colony, whence has geographically radiated what of culture and of science our country has possessed,—I would fain say some few words which, however crude or ill-arranged, might find a congenial soil within your hearts—to bear fruit, perhaps, when all of us have disappeared from the stage—and which might aid, in however small a degree, to avert the day when the

highest recognized aims shall be toward material prosperity, rather than toward intellectual development and progress.

J. W. Foster (geography), president at the Salem meeting in August, 1869, delivered his address as retiring president of the Association at the meeting held at Troy, New York, in August, 1870. Foster's address was devoted to the wide variations in climate, including the glacial advances and retreats, that characterized the Tertiary and later periods almost down to the present time. His remarks on the resulting changes in plant and animal forms, and on prehistoric man, are interesting illustrations of the mixtures of fact and fancy that followed the first glimpses into an enormous and almost entirely unsuspected long past of geological, biological and human history. Referring to man during the Ice Age, he said (vol. 19, pp. 1-19) :

In such a climate and on such a soil we can well imagine that agriculture formed no part of the occupation of the primitive man. He gathered not the kindly fruits of the earth, but was essentially a predaceous animal. The few skulls that have been recovered, would indicate that he was low in the scale of intellectual organization,—a small brain, a retreating forehead, and oblique jaws. In capacity he was below the Australian and New Zealander. In stature he was dwarfed, but was broad-shouldered and robust,—the result of vigorous exertion and out-door exposure. He was carnivorous, and, perhaps, a raw flesh-eater; for in the jaws which have been disinterred, the incisor teeth are much worn,—a peculiarity which has been noticed in those of the flesh-eating Esquimaux. This fact ought not to be cited to his disadvantage, for in an Arctic climate where the animal heat is so rapidly abstracted, man requires a highly nitrogenous food. Thus we find our own countryman, Kane, when imprisoned in the ice of Rensselaer Harbor, resorting to raw walrus-meat, and rolling it as a sweet morsel under his tongue. . . .

But we must accord to him one redeeming trait. That homage which in all ages and among all nations, the living pay to the dead; those ceremonies which are observed at the hour of final separation; that care which is exerted to protect the manes from all profane intrusion; and those delicate acts, prompted by love or affection, which we fondly hope, will smooth the passage of the parting spirit to the happy land,—all these observances our rude ancestors maintained. These facts show that, deep as man may sink in barbarism, brutal as he may become in his instincts, there is still a redeeming spirit which prompts to higher aspirations, and that to him, even, there is no belief so dreary as that of utter annihilation.

Foster closed his address with a survey of possible causes of glaciation, concluding that they are almost certainly extra-terrestrial.

On the subject of cooperation among scientists from various fields he said:

There is such an intimate connection between the several branches of science, that the researches in one field often throw light upon the obscure points in another. In the solution of this difficult problem, the geologist may invoke, and I trust not unsuccessfully, the aid of the astronomer.

Although scientists have cooperated in investigating the problem of the causes of glaciation during the 70 years since Foster's address, they have not yet reached a generally accepted explanation of the successive periods of glaciation that the middle latitudes of the earth have experienced.

#### PAPERS OF INTEREST PRESENTED AT THE MEETINGS

##### *The Buffalo, N. Y., Meeting, August, 1866. (Vol. 15)*

1. On the Theory of Meteors. Daniel Kirkwood.
2. On the Physical Condition of the Sun's Surface and the Motion of the Solar Spots. Elias Loomis.

##### *The Burlington, Vt., Meeting, August, 1867. (Vol. 16)*

1. Observations of Venus near Inferior Conjunction. C. S. Lyman.
2. On the Periodicity of the Aurora Borealis. Joseph Lovering.
3. Considerations Relating to the Climate of the Glacial Epoch in North America. Edward Hungerford.

##### *The Chicago Meeting, August, 1868. (Vol. 17)*

1. The Nature of Electric Discharge. O. N. Stoddard.
2. On Hansen's Theory of the Physical Constitution of the Moon. Simon Newcomb.
3. On the Source of Free Hydrochloric Acid in the Gastric Juice. E. N. Horsford.

##### *The Salem, Mass., Meeting, August, 1869. (Vol. 18)*

1. Spectrum Observations at Burlington, Iowa, during the Eclipse of August 7, 1869. C. A. Young.
2. On the Relation between the Intensity of Light Produced from the Combustion of Illuminating Gas and the Volume of Gas Consumed. Benjamin Silliman.
3. Notice of some New Tertiary and Cretaceous Fishes. O. C. Marsh.
4. On the Distribution of the Native Tribes of Alaska and the Adjacent Territory. W. H. Dall.

##### *The Troy, N. Y., Meeting, August, 1870. (Vol. 19)*

1. On Dispersion and the Possibility of Attaining Perfect Acromatism. Edward C. Pickering.
2. On the Former Existence of Local Glaciers in the White Mountains. Louis Agassiz.
3. On the Relations of the Order of Mammals. Theodore Gill.
4. Investigations of the Development of Yeast or Zymatic Fungus. Theodore Hilgard.

## STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers</i>	<i>Membership</i>
1866	Buffalo, N. Y.	—	65	637
1867	Burlington, Vt.	73	75	415
1868	Chicago, Ill.	259	151	686
1869	Salem, Mass.	244	162	511
1870	Troy, N. Y.	188	144	536

## IV. THE PERIOD FROM 1871 TO 1880

On the whole, the decade under consideration was one in which the implications of previous theories were being tested by observation and experiment. Astronomers were making spectroscopic observations of the sun; physicists were investigating the consequences of the relations between electric currents and magnetism; chemists were rapidly developing analytic chemistry and discovering new elements; geologists were reading the strata of the rocks in the light of the uniformitarian theory as expounded by Lyell (1830-35); and biologists were coming to realize the profound significance of Darwin's *Origin of Species* (1859). It was a period in which many scientists, with the enthusiasm of pioneers, were entering and exploring vast regions the masters had opened.

Theoretical chemistry received a great impetus during this period by the publication just before its beginning of Mendeleeff's periodic table of the chemical elements. An equally great contribution to chemistry and physical science was the publication, in 1877, of J. Willard Gibbs's paper "On the Equilibrium of Heterogeneous Solution," a profound work which was not generally understood or appreciated for many years. On the other hand, Maxwell's electromagnetic theory (1873) was almost immediately accepted.

## PRESIDENTIAL ADDRESSES

William Chauvenet (mathematician), who was elected president of the Association for 1870, died early in the year and was succeeded by T. Sterry Hunt, vice-president of the Association. Hunt (geologist) delivered his address as retiring president at the meeting held in Indianapolis, Ind., in August, 1871. Instead of delivering a general philosophical discussion on science and the role the Association might play in its advancement, as many of his predecessors had done, he limited himself to his own field, the fundamental problems relating to the crystalline stratified rocks in the northeastern part of the United States. After describing the rocks that are exposed in the region, he entered into a lengthy discussion of their origin, opinions concerning which were rapidly changing at the time. He closed his address as follows (vol. 20, pp. 1-59):

I have thus endeavored to sketch, in a concise and rapid manner, the history of the earlier rock-formations of eastern North America, and of our progress in the knowledge of them; while I have, at the same time, dwelt upon some of the geognostical and chemical questions which their study suggests. With the record of the last thirty years before them, American geologists have cause for congratulation that their investigations have been so fruitful in great results. They see, however, at the same time, how much yet remains to be done in the study of the Appalachians and of our northeastern coast, before the history of these ancient rock-formations can be satisfactorily written. Meanwhile our adventurous students are directing their labors to the vast regions of western America, where the results which have already been obtained are of profound interest. The progress of these investigations will doubtless lead us to modify many of the views now accepted in science, and cannot fail greatly to enlarge the bound of geological knowledge.

Asa Gray (botany), president of the Association in 1871, delivered his address as retiring president at the meeting held in Dubuque, Iowa, in August, 1872. Like his predecessor, Gray limited his discussion to his own field. This change from general philosophical subjects to narrower fields for addresses of retiring presidents of the Association may have been due to the rapidly increasing richness of science or to an increasing humility of scientists, only to be carried to such an extreme in later times that specialists boasted of their ignorance respecting everything outside their own narrow fields.

Gray made a journey across the continent in preparation, as he said, for his address. He chose for his subject the Sequoia trees of California. That he spoke about them not as an awe-struck tourist but as a scientist grappling with the great problems of evolution of life on the earth will be evident from the following excerpt from his address (vol. 21, pp. 1-31) :

One notable thing about these Sequoia trees is their *isolation*. Most of the trees associated with them are of peculiar species, and some of them are nearly as local. Yet every Pine, Fir, and Cypress in California is in some sort familiar, because it has near relatives in other parts of the world. But the Redwoods have none. The Redwood—including in that name the two species of "big-trees"—belongs to the general Cypress family, but is *sui generis*. Thus isolated systematically, and extremely isolated geographically, and so wonderful in size and port, they more than other trees suggest questions.

Were they created thus local and lonely, denizens of California only; one in limited numbers in a few choice spots on the Sierra Nevada, the other along the coast range from the Bay of Monterey to the frontiers of Oregon? Are they veritable Melchizedeks, without pedigree or early relationship, and possibly fated to be without descent?

Or are they now coming upon the stage—or rather were they coming but for man's interference—to play a part in the future?

Or are they remnants, sole and scanty survivors of a race that has played a grander part in the past, but is now verging to extinction? Have they had a career, and can that career be ascertained or surmised, so that we may at least guess whence they came, and how, and when?

Time was, and not long ago, when such questions as these were regarded as useless and vain,—when students of natural history, unmindful of what the name denotes, were content with a knowledge of things as they now are, but gave little heed as to how they came to be so. Now, such questions are held to be legitimate, and perhaps not wholly unanswerable. It cannot now be said that these trees inhabit their present restricted areas simply because they are there placed in the climate and soil of all the world most congenial to them. These must indeed be congenial, or they would not survive. But when we see how Australian Eucalyptus trees thrive upon the Californian coast, and how these very Redwoods flourish upon another continent; how the so-called wild oat (*Avena sterilis* of the Old World) has taken full possession of California; how that cattle and horses, introduced by the Spaniard, have spread as widely and made themselves as much at home on the plains of La Plata as on those of Tartary; and that the cardoon-thistle seeds, and others they brought with them, have multiplied there into numbers probably much exceeding those extant in their native lands; indeed, when we contemplate our own race, and our own particular stock, taking such recent but dominating possession of this New World; when we consider how the indigenous flora of islands generally succumbs to the foreigners which come in the train of man; and that most weeds (*i.e.*, the prepotent plants in open soil) of all temperate climates are not “to the manner born,” but are self-invited intruders,—we must needs abandon the notion of any primordial and absolute adaptation of plants and animals to their habitats, which may stand in lieu of explanation, and so preclude our inquiring any further.

J. Lawrence Smith (chemistry), president at the meeting in Dubuque, Iowa, in 1872, delivered his address as retiring president at the meeting at Portland, Maine, in August, 1873. Smith's address consisted of three parts, the first a defense of pure research, stimulated no doubt by the popular fame of technicians and inventors. The second part was devoted to a discussion of the methods of science in which he spoke very critically of a tendency among scientists to abandon the Baconian method and to indulge in speculations, pyramiding one on another until they had little relationship to experience. He closed with remarks about the habit of claiming that science supports religion, a habit that still lingers. A quotation will make clear his point of view (vol. 22, pp. 1-26) :

Reference has already been made to the tendency of quitting the physical to revel in the metaphysical, which, however, is not peculiar to this age, for it belonged as well to the times of Plato and Aristotle as it does to ours. More special reference will be made here to the proclivity of the present epoch among philosophers and theologians to parade science and religion side by side; talking of reconciling science and religion, as if they had ever been unreconciled. Scientists and theologians may have quarrelled, but never science and religion. At dinners they are toasted in the same breath, and calls made on clergymen to respond, who, for fear of giving offence, or lacking the fire and firmness of St. Paul, utter a vast amount of platitudes about the beauty of science and the truth of religion, trembling in their shoes all the time, fearing that science, falsely so called, may take away their professional calling, instead of uttering in voice of thunder, like the Boanerges of the gospel, that “the world by wisdom knew not God.” And it never will. Our religion is made so plain by the light of faith that the way-faring man, though a fool, cannot err therein.

No, gentlemen; I firmly believe that there is less connection between science and religion than there is between jurisprudence and astronomy, and the sooner this is understood the better it will be for both.

Joseph Lovering (physics), president of the Association at the meeting held in Portland, Maine, in 1873, and permanent secretary of the Association from 1854 to 1872, inclusive, delivered his address as retiring president at the meeting held at Hartford, Conn., in August, 1874.

After preliminary remarks, Lovering announced the subject of his address as follows (vol. 23, pp. 1-36) :

The point of view which I have chosen for reviewing the close and advancing columns of the physical sciences is this:—Are there any improvements in the weapons of attack, or have any additions been made to them? These are of two kinds:—1. Instruments for experiment, and 2. The logic of mathematics. These are the lighter and the heavier artillery in this peaceful service.

This statement, however, gives only a hint of Lovering's sweeping survey of physical science from the days of Galileo until the year of his address. It did not consist of general comments, but was a comprehensive record of the progress of experiments and the evolution of the physical theories to which they were related. It would be difficult to find a better brief summary of physical science of the period, and it is especially interesting because it was written when many of the subjects discussed were still novel or controversial. Lovering gave excellent surveys of such subjects as, (1) the various measurements of the velocity of light and their bearing on the nature of light, (2) the work of Ohm in electricity, (3) the determination of the astronomical unit, (4) the work of Angstrom, Balfour Stewart and Kirchhoff on the principles of spectrum analysis, (5) the constitution of nebulae, (6) the origin of the planets, (7) the Doppler effect in sound and light, (8) the problem of ether, (9) the velocity of gravitation, (10) the work of Faraday, Maxwell and others on the experimental and theoretical principles of electricity and magnetism, (11) the nature of gravitation, (12) the conservation of energy, (13) the nature of heat and the kinetic theory of gases, (14) Helmholtz's work on vortices.

John L. Le Conte (entomology), president of the Association at the meeting held in Hartford, Conn., in August, 1874, delivered his address as retiring president at the meeting held in Detroit, Michigan, in August, 1875. He undertook to show that "by proper methods we can discover in our flora and fauna the remnants of former geologic times, which remain unchanged and have escaped those influences of variation which are supposed to account for the differences in the organic beings of different periods." He illustrated his views by references to a species of Tiger-beetle and other

insects. Then he discussed the difficulties persons have of understanding others of different antecedents and culture, and went on to explanations of reasons why such varied views are held respecting the relations between science and religion. He arrived at the conclusion that "there is no occasion for strict Science and pure Religion to be in conflict. . . ." (Vol. 24, pp. 1-18.)

Julius E. Hilgard (geography), president of the Association at the meeting held at Detroit in August, 1875, delivered his address as retiring president at the meeting held at Buffalo, New York, in August, 1876. Casting aside the temptation to present a general review of a century of science on the centennial of the Declaration of Independence of the American colonies, and refraining from a further discussion of the relations between science and religion, he took for the subject of his address Geodasy and Topography, the measurement of the size and form of the earth and the mapping of its surface. He gave a straightforward historical and critical account of these two related fields. In his concluding paragraphs, however, he presented some reflections on the role "abstract thought and pure mathematics have had . . . in the development of human knowledge," and terminated his address rather abruptly with the sentence: "Friends, to my mind this insatiate desire to know the causes of things, and to understand the ways of creation, is the strongest evidence that there is a Divine mind from which the human mind is derived, and that man *has* been made in the image of God." (Vol. 25, pp. 1-16.)

William B. Rogers (geology), president of the Association at the meeting held at Detroit in August, 1875, was ill at the time of the following meeting held at Nashville, Tenn., in August, 1876, and did not deliver an address as retiring president.

Simon Newcomb (astronomy) delivered his address as retiring president of the Association at the meeting held at St. Louis, Mo., in August, 1878. In describing the subject and purpose of his address, he said:

. . . I have been led to present to you some thoughts on the Course of Nature as seen in the light of modern scientific and philosophic research. . . .

The key-note of my discourse is found in a proposition which is fundamental in the history of modern science, and without a clear understanding of which everything I say may be entirely misunderstood. This proposition is, that science concerns itself only with phenomena and the relations which connect them, and does not take account of any questions which do not in some way admit of being brought to the test of observation. The only universe it knows is that made known by the telescope, the microscope and other appliances of observation. That this is the whole universe we should all be very sorry to suppose, and none more so than he who has the honor to address you. But, should I pretend to a scientific knowledge of what lies behind this visible frame, I should be acting the part of the rash speculator rather than of the cautious thinker. Only into a single field of thought do I dare to venture.

The severe limitations Newcomb imposed upon himself did not prevent his delivering a profound and interesting address. (Vol. 27, pp. 1-28.)

O. C. Marsh (geology) delivered his address as retiring president of the Association at its meeting held at Saratoga Springs, N. Y., in August, 1879. The first paragraph and the next to the last one in his scholarly address will give an idea of both the subject matter and the method of its treatment. (Vol. 28, pp. 1-42.)

In the rapid progress of knowledge, we are constantly brought face to face with the question, What is Life? The answer is not yet, but a thousand earnest seekers after truth seem to be slowly approaching a solution. This question gives a new interest to every department of science that relates to life in any form, and the history of life offers a most suggestive field for research. One line of investigation lies through embryology, and here the advance is most encouraging. Another promising path leads back through the life history of the globe, and in this direction we may hope for increasing light, as a reward for patient work. . . .

I have endeavored to define clearly the different periods in the history of Palaeontology. If I may venture, in conclusion, to characterize the present period in all departments of science, its main feature would be a *belief in universal laws*. The reign of Law, first recognized in the physical world, has now been extended to Life, as well. In return, Life has given to inanimate nature the key to her profounder mysteries—Evolution, which embraces the universe.

George F. Barker (chemistry) delivered his address as retiring president of the Association at its meeting held at Boston, Mass., in August, 1880. For the first time a retiring president of the Association gave his address a formal title, "Some Modern Aspects of the Life-Question." The discussion was concerned largely with transformations of energy in the cells, and the transmission of impulses along nerve fibers in animals. It was, of course, brought out that the ultimate source of energy on the earth is the sun, a fact that provided occasion for a beautiful closing paragraph. (Vol. 29, pp. 1-30.)

#### PAPERS OF INTEREST PRESENTED AT THE MEETINGS

##### *The Indianapolis, Ind., Meeting, August, 1871. (Vol. 20)*

1. On the Geological History of the Gulf of Mexico. E. W. Hilgard.
2. On the Characteristics of the Primary Groups of the Class of Mammals. Theodore Gill.
3. The Great Mound on the Etowah River, Georgia. Charles Whittlesey.

##### *The Dubuque, Iowa, Meeting, August, 1872. (Vol. 21)*

1. On Soil Analyses and their Utility. Eugene W. Hilgard.
2. Ancient Mounds of Dubuque and its Vicinity. H. T. Woodman.

*The Portland, Maine, Meeting, August, 1873. (Vol. 22)*

1. The Relation of the Dissipation of Energy to Cosmical Evolution. H. F. Walling.
2. Artificial Shell-Heaps of Fresh-Water Mollusks. C. A. White.
3. On the duty of Governments in the Preservation of Forests. Franklin B. Hough.

*The Hartford, Conn., Meeting, August, 1874. (Vol. 23)*

1. On the Inner Satellites of Uranus. Edward S. Holden.
2. The Recency of Certain Volcanoes of the Western United States. G. K. Gilbert.
3. Studies in the Formation of Mountains in the Sierra Nevada. John Muir.
4. Cremation among North American Indians. John L. LeConte.

*The Detroit, Mich., Meeting, August, 1875. (Vol. 24)*

For some years before the meeting in Detroit, the programs of the Association had been organized under two sections: Section A, Mathematics, Physics, and Chemistry; Section B, Natural History; and there was a vice-president of the Association for each of these sections. At the meeting in 1874, at the time of the adoption of a new constitution and the incorporation of the Association under the laws of the Commonwealth of Massachusetts, the policy was inaugurated of having a formal general address by each of the vice presidents. As a rule, the reports herein on later meetings of the Association will contain references only to the addresses of vice presidents. When the addresses were without formal titles the subjects are indicated in parentheses.

1. Vice presidential address, Section A. H. A. Newton (mathematics).
2. Vice presidential address, Section B. J. W. Dawson (paleontology).

*The Buffalo, N. Y., Meeting, August, 1876. (Vol. 25)*

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. C. A. Young (astronomy).
2. Vice presidential address, Section on Natural History. Edward S. Morse: "What American Scientists have done for Evolution."
3. Address of chairman of Subsection on Chemistry. G. F. Barker (molecules).
4. "On the Post-Glacial History of Sequoia Gigantea." John Muir.

*The Nashville, Tenn., Meeting, August, 1877. (Vol. 26)*

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. E. C. Pickering (research).

2. Vice presidential address, Section on Natural History. O. C. Marsh: "Introduction and Succession of Vertebrate Life in America."

3. Address of chairman of Subsection on Anthropology. Daniel Wilson (historical).

*The St. Louis, Mo., Meeting, August, 1878. (Vol. 27)*

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. Robert H. Thurston: "Science of the Advancement of Science."

2. Vice presidential address, Section on Natural History. August R. Grote: "Education and the Succession of Experiences."

3. Address of chairman of Subsection on Chemistry. F. W. Clarke (research in chemistry).

*The Saratoga Springs, N. Y., Meeting, August, 1879. (Vol. 28)*

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. S. P. Langley: "Solar Physics."

2. Vice presidential address, Section on Natural History. John W. Powell: "Mythologic Philosophy."

3. Address of chairman of Subsection on Chemistry. Ira Remsen (organic chemistry).

4. "Experimental Determination of the Velocity of Light." Albert A. Michelson.

*The Boston Meeting, August, 1880. (Vol. 29)*

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. Asaph Hall (astronomical observations).

2. Vice presidential address, Section on Natural History. Alexander Agassiz: "Paleontological and Embryological Development."

3. Address of chairman of Subsection of Chemistry. John M. Ordway (historical).

4. Address of chairman of Subsection of Anthropology. J. W. Powell: "Wyandotte Government. A Short Study of Tribal Society."

STATISTICAL DATA

Year	Meeting Place	Registration	Papers Read	Membership
1871	Indianapolis, Ind.	196	107	668
1872	Dubuque, Iowa	164	101	610
1873	Portland, Me.	195	146	670
1874	Hartford, Conn.	224	165	722
1875	Detroit, Mich.	165	136	807
1876	Buffalo, N. Y.	215	147	867
1877	Nashville, Tenn.	173	78*	953
1878	St. Louis, Mo.	134	103	962
1879	Saratoga Springs, N. Y.	256	136	1030
1880	Boston, Mass.	997	276	1555

\*Epidemic of yellow fever in Southern States was "alarming."

## V. THE PERIOD FROM 1881 TO 1890

The advancements of science during this period were of the same general nature as those in the preceding decade—the completion by observation and experiment of the implications of earlier general theories, such as those of spectrum analysis, uniformitarianism in geology, evolution in biology, the conservation of energy, etc. There were, however, several scientific achievements of the first order of importance, such as Hertz's experimental verification of Maxwell's electromagnetic theory, the Michelson-Morley ether drift experiment in 1887, Pasteur's conquering of rabies, Koch's work in Berlin, development of aseptic surgery by Lister, discovery of the structure and mode of division of germ cells by Flemming (1882) and Waldeyer (1888), Weismann's theory of heredity through the continuity of the germ-plasm, and the discovery of the existence of vitamins.

## PRESIDENTIAL ADDRESSES

L. H. Morgan (geology), retiring president at the meeting held in Cincinnati, Ohio, in August, 1881, was unable to deliver an address because of age and infirmities.

George J. Brush (mineralogy) delivered his address as retiring president of the Association at the meeting held in Montreal, Canada, in August, 1882, on "A Sketch of the Progress of American Mineralogy." (Vol. 31, pp. 1-20.)

J. W. Dawson (geology) delivered his address as retiring president of the Association at the meeting held at Minneapolis, Minn., in August, 1883. The title of the address was "On Some Unsolved Problems in Geology." After sketching the unsolved problems relating to the origin of various series of rocks, he covered similarly the succession of life forms and concluded with references to glaciation. (Vol. 32, pp. 1-27.)

. . . Geology as a science scarcely dates from a century ago. We have reason for surprise in these circumstances, that it has learned so much, but for equal surprise that so many persons appear to think it a complete and full-grown science and that it is entitled to speak with confidence on all the great mysteries of the earth that have been hidden from the generations before us. Such being the newness of man and of his science of the earth, it is not too much to say that humility, hard work in collecting facts, and abstinence from hasty generalization should characterize geologists, at least for a few generations to come.

Charles A. Young (astronomy) delivered his address as retiring president of the Association at the meeting held at Philadelphia, Pa., in September, 1884, on "Pending Problems in Astronomy." (Vol. 33, pp. 1-27.)

J. P. Lesley (geology) delivered his address as retiring president at the meeting held at Ann Arbor, Mich., in August, 1885. He gave the address

no formal title, but discussed defects in attitudes and methods of scientists. (Vol. 34, pp. 1-21.)

H. A. Newton (mathematics) delivered his address as retiring president at the meeting held at Buffalo, New York, in August, 1886. Although there was no formal title to his address, the subject was *Meteorites*. (Vol. 35, pp. 1-18.)

E. S. Morse (zoology), retiring president at the meeting held at New York in August, 1887, delivered an address without formal title, but the general subject was *Variation*. (Vol. 36, pp. 1-43.)

S. P. Langley (physics), at the meeting held at Cleveland, Ohio, in August, 1888, delivered his address as retiring president on "The History of a Doctrine" (radiant energy). (Vol. 37, pp. 1-23.)

J. W. Powell (geology) chose as the subject for his address as retiring president at the meeting held at Toronto, Ontario, in August, 1889, "Evolution of Music from Dance to Symphony." (Vol. 38, pp. 1-21.)

T. C. Mendenhall (physics), retiring president at the meeting held in Indianapolis, Ind., in August, 1890, delivered his retiring presidential address on "The Relations of Men of Science to the General Public." (Vol. 39, pp. 1-15.)

#### ADDRESSES OF VICE PRESIDENTS OF SECTIONS AND OF OTHERS<sup>1</sup>

##### *The Cincinnati Meeting, August, 1881. (Vol. 30)*

1. Address of chairman of Subsection of Entomology. John G. Morris (historical).

2. Address of chairman of Subsection of Anthropology. Garrick Mallery: "The Gesture Speech of Man."

3. A Lawgiver of the Stone Age. Horatio Hale.

At this meeting the Standing Committee voted that beginning with the following meeting only abstracts of papers (other than those of officers) would be printed in the Proceedings, except in special cases in which a section might request that a paper be printed in full.

After this meeting the work of the Association was carried on in nine sections, each with a vice president, one of whose duties was to deliver an address to the section over which he presided. The nine sections were: Mathematics and Astronomy (A), Physics (B), Chemistry (C), Mechanical Science (D), Geology and Geography (E), Biology (F), Histology and Microscopy (G), Anthropology (H), and Economic Science and Statistics (I).

##### *The Montreal Meeting, August, 1882. (Vol. 31)*

Mathematics and Astronomy. William Harkness (distance to the sun).

<sup>1</sup> When an address had no formal title its general subject is indicated in parentheses.

Physics. T. C. Mendenhall (advancement of physics).

Chemistry. H. Carrington Bolton: "Chemical Literature."

Mechanical Science. W. P. Trowbridge (engineering).

Biology. William H. Dall (mollusks).

Histology and Microscopy. A. H. Tuttle (microscopes).

Anthropology. Daniel Wilson: "Some Physical Characteristics of Native Tribes of Canada."

*The Minneapolis Meeting, August, 1883. (Vol. 32)*

Mathematics and Astronomy. W. A. Rogers: "The German Survey of the Northern Heavens."

Physics. Henry A. Rowland: "A Plea for Pure Science."

Geology and Geography. C. H. Hitchcock: "The Early History of the North American Continent."

Biology. W. J. Beal: "Agriculture: Its Needs and Opportunities."

Anthropology. Otis T. Mason: "The Scope and Value of Anthropological Studies."

Economic Science and Statistics. Franklin B. Hough: "The Methods of Statistics."

*The Philadelphia Meeting, September, 1884. (Vol. 33)*

Mathematics and Astronomy. Henry T. Eddy: "College Mathematics."

Physics. John Trowbridge: "What Is Electricity?"

Chemistry. John W. Langley: "The Conception of Chemical Affinity."

Mechanical Science. Robert H. Thurston: "The Mission of Science."

Geology and Geography. N. H. Winchell: "The Crystalline Rocks of the Northwest."

Biology. Edward D. Cope: "On Catagenesis."

Histology and Microscopy. T. G. Wormley: "The Applications of the Microscope."

Anthropology. Edward S. Morse: "Man in the Tertiaries."

Economic Science and Statistics. John Eaton: "Scientific Method and Scientific Knowledge in Common Affairs."

*The Ann Arbor Meeting, August, 1885. (Vol. 34)*

Chemistry. William Ripley Nichols: "Chemistry in the Service of Public Health."

Mechanical Science and Engineering. J. Burkitt Webb: "The Second Law of Thermodynamics."

Geology and Geography. Edward Orton (geological problems).

Biology. Burt G. Wilder: "Educational Museums of Vertebrates."

Histology and Microscopy. Simon Henry Gage: "The Limitations and

Value of Histological Investigation, Illustrated by a Consideration of the Structure of a Respiratory Membrane in the Pharynx of Soft-Shelled Turtles."

Anthropology. William H. Dall: "The Native Tribes of Alaska."

Economic Science and Statistics. Edward Atkinson: "The Application of Science to the Production and Consumption of Food."

*The Buffalo Meeting, August, 1886. (Vol. 35)*

Mathematics and Astronomy. J. Willard Gibbs: "Multiple Algebra."

Physics. C. F. Brackett: "The Electromotive Force of the Voltaic Cell."

Chemistry. Harvey W. Wiley: "The Economic Aspects of Agricultural Chemistry."

Mechanical Science and Engineering. O. Chanute: "Scientific Invention."

Geology and Geography. T. C. Chamberlin: "An Inventory of our Glacial Drift."

Biology. H. P. Bowditch: "What Is Nerve-Force?"

Anthropology. Horatio Hale: "The Origin of Languages, and the Antiquity of Speaking Man."

Economic Science and Statistics. Joseph Cummings: "Capitalists and Laborers."

*The New York Meeting, August, 1887. (Vol. 36)*

Physics. W. A. Anthony (value of applications of science).

Chemistry. A. B. Prescott: "The Chemistry of Nitrogen as Disclosed in the Constitution of the Alkaloids."

Mechanical Science and Engineering. E. B. Coxe (engineers).

Geology and Geography. G. K. Gilbert: "The Work of the International Congress of Geologists" (at Berlin in 1885).

Biology. William G. Farlow: "Vegetable Parasites and Evolution."

Anthropology. Daniel G. Brinton: "A Review of the Data for the Study of the Prehistoric Chronology of America."

Economic Science and Statistics. Henry E. Alvord: "Economy in the Management of the Soil."

*The Cleveland Meeting, August, 1888. (Vol. 37)*

Mathematics and Astronomy. Ormond Stone: "Motions of the Solar System."

Physics. Albert A. Michelson: "A Plea for Light Waves."

Chemistry. Charles E. Munroe: "Some Phases in the Progress of Chemistry."

Geology and Geography. George H. Cook: "On the International Geological Congress, and Our Part in It as American Geologists."

Biology. Charles V. Riley: "On the Causes of Variation in Organic Forms."

Anthropology. Charles C. Abbott: "Evidences of the Antiquity of Man in Eastern North America."

Economic Science and Statistics. Charles W. Smiley: "Altruism Considered Economically."

*The Toronto Meeting, August, 1889. (Vol. 38)*

Mathematics and Astronomy. Robert Simpson Woodward: "The Mathematical Theories of the Earth."

Physics. Henry S. Carhart: "Review of Theories of Electrical Action."

Chemistry. William L. Dudley: "The Nature of Amalgams."

Geology and Geography. Charles A. White: "The North American Mesozoic."

Biology. George L. Goodale: "Some Recent Investigations Relative to Cell-Contents."

Anthropology. Garrick Mallery: "Israelite and Indian. A Parallel in Planes of Culture."

Economic Science and Statistics. Charles S. Hill: "Economic and Sociologic Relations of the Canadian States and the United States, Prospectively Considered."

*The Indianapolis Meeting, August, 1890. (Vol. 39)*

Mathematics and Astronomy. Seth Carlo Chandler: "The Variable Stars."

Physics. Cleveland Abbe: "A Plea for Terrestrial Physics."

Chemistry. Robert B. Warder: "Recent Theories of Geometrical Isomerism."

Mechanical Science and Engineering. James E. Denton: "History of Attempts to Determine the Relative Value of Lubricants by Mechanical Tests."

Geology and Geography. John C. Branner: "The Relations of the State and National Geological Surveys to Each Other and to the Geologists of the Country."

Biology. Charles Sedgwick Minot: "On Certain Phenomena of Growing Old."

Anthropology. Frank Baker: "The Ascent of Man."

Economic Science and Statistics. J. Richard Dodge: "The Standard of Living in the United States."

## STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1881	Cincinnati	500	182	1699
1882	Montreal	579	255	1922
1883	Minneapolis	328	168	2033
1884	Philadelphia	1261	305	1981
1885	Ann Arbor	364	184	1956
1886	Buffalo	445	217	1886
1887	New York	729	250	1956
1888	Cleveland	342	215	1964
1889	Toronto	424	211	1952
1890	Indianapolis	364	244	1944

## VI. THE PERIOD FROM 1891 TO 1900

There were several scientific discoveries of the first order of importance during the decade from 1891 to 1900, inclusive. Perhaps the first that should be mentioned was Ostwald's discovery, in 1892, of the profound nature of Gibb's paper "On the Equilibrium of Heterogeneous Substances," published in 1877. In 1894 Bateson found that a great number of examples of large variations in living organisms seemed to indicate that evolution proceeds by finite jumps rather than gradually, as had generally been believed, and de Vries announced his mutation theory at about the close of the decade. In 1895 Roentgen discovered X-rays. The life history of the malarial parasite was worked out by Ross in 1898, and Reed demonstrated the mode of transmission of yellow fever in 1900. Naturally these important scientific discoveries had little immediate effect upon the meetings of the Association.

## PRESIDENTIAL ADDRESSES

George Lincoln Goodale (botany), retiring president at the meeting held in Washington, D. C., in August, 1891, delivered an address on "Useful Plants of the Future—Some of the Possibilities of Economic Botany." (Vol. 40, pp. 1-38.)

Albert B. Prescott (chemistry) chose as the subject for his address as retiring president at the meeting held in Rochester, N. Y., in August, 1892, "The Immediate Work in Chemical Science." (Vol. 41, pp. 1-14.)

Joseph LeConte (geology), retiring president at the meeting held at Madison, Wisconsin, in August, 1893, delivered an address on "Theories of the Origin of Mountain Ranges." (Vol. 42, pp. 1-27.)

William Harkness (astronomy) delivered his address as retiring president of the meeting held at Brooklyn, N. Y., in August, 1894, on "The Magnitude of the Solar System." (Vol. 43, pp. 1-23.)

Daniel G. Brinton (anthropology), retiring president at the meeting held

at Springfield, Mass., in August-September, 1895, delivered an address on "The Aims of Anthropology." (Vol. 44, pp. 1-17.)

Edward W. Morley (chemistry), retiring president at the meeting held at Buffalo, New York, in August, 1896, delivered an address on "A Completed Chapter in the History of the Atomic Theory." (Vol. 45, pp. 1-22.)

Theodore Gill (zoology), successor, as senior vice president, to Edward D. Cope, president, who died on April 12, 1897, by action of the Council "was requested to prepare an address to take the place of the one which would have been delivered by President Cope had his life been spared," chose for the subject of his retiring address at the meeting held at Detroit, Michigan, in August, 1897, "Edward Drinker Cope, Naturalist—A Chapter in the History of Science." (Vol. 46, pp. 1-30.)

Walcott Gibbs (chemistry), retiring president at the meeting held at Boston, Mass., in August, 1898, did not announce a formal title for his address but spoke on "some theoretical points connected" with his work. (Vol. 47, pp. 1-16.)

Frederic Ward Putnam (anthropology), retiring president at the meeting held at Columbus, Ohio, in August, 1899, in his address spoke on "A Problem in American Anthropology." (Vol. 48, pp. 1-17.)

Grove Karl Gilbert (geology), successor to Edward Orton who died October 16, 1899, chose for the subject of his address as retiring president at the meeting held in New York, N. Y., in June, 1900, "Rhythms and Geologic Time." (Vol. 49, pp. 1-19.)

#### ADDRESSES OF VICE PRESIDENTS

##### *The Washington Meeting, August, 1891. (Vol. 40)*

Mathematics and Astronomy. E. W. Hyde: "The Evolution of Algebra."

Physics. Francis E. Nipher: "The Ether."

Chemistry. R. C. Kedzie: "Alchemy."

Mechanical Science and Engineering. Thomas Gray: "Problems in Mechanical Science."

Geology and Geography. John J. Stevenson: "The Chemung and Catskill (Upper Devonian) on the Eastern Side of the Appalachian Basin."

Biology. John M. Coulter: "The Future of Systematic Botany."

Anthropology. Joseph Jastrow: "The Natural History of Analogy."

Economic Science and Statistics. Edmund J. James: "The Farmer and Taxation."

##### *The Rochester Meeting, August, 1892. (Vol. 41)*

Mathematics and Astronomy. J. R. Eastman: "The Neglected Field of Fundamental Astronomy."

Physics. Benjamin F. Thomas: "Technical Education in Colleges and Universities."

Chemistry. Alfred Springer: "The Micro-organisms of the Soil."

Mechanical Science and Engineering. John B. Johnson: "The Applied Scientist."

Geology and Geography. Henry S. Williams: "The Scope of Paleontology and Its Value to Geologists."

Biology. Simon Henry Gage: "The Comparative Physiology of Respiration."

Anthropology. W. H. Holmes: "Evolution of the Aesthetic."

Economic Science and Statistics. Lester F. Ward: "The Psychologic Basis of Social Economics."

*The Madison Meeting, August, 1893. (Vol. 42)*

Mathematics and Astronomy. C. L. Doolittle: "Variations of Latitude."

Physics. E. L. Nichols: "Phenomena of the Time-Infinitesimal."

Chemistry. Edward Hart: "Twenty-five Years' Progress in Analytical Chemistry."

Mechanical Science and Engineering. S. W. Robinson: "Training in Engineering Science."

Geology and Geography. Charles D. Walcott: "Geologic Time: as Indicated by the Sedimentary Rocks of North America."

Zoology. Henry Fairfield Osborn: "The Rise of the Mammalia in North America."

Botany. Charles E. Bessey: "Evolution and Classification."

Anthropology. James Owen Dorsey: "The Biloxi Indians of Louisiana."

Economic Science and Statistics. W. H. Brewer: "The Mutual Relations of Science and Stock Breeding."

*The Brooklyn Meeting, August, 1894. (Vol. 43)*

Mathematics and Astronomy. George C. Comstock: "Binary Stars."

Physics. William A. Rogers: "Obscure Heat as an Agent in Producing Expansion in Metals, under Air Contact."

Chemistry. Thomas H. Norton: "The Battle with Fire, or the Contributions of Chemistry to the Methods of Preventing and Extinguishing Conflagration."

Mechanical Science and Engineering. Mansfield Merriman: "The Resistance of Materials under Impact."

Geology and Geography. Samuel Calvin: "The Niobrara Chalk."

Botany. Lucien M. Underwood: "The Evolution of the Hepaticae."

Anthropology. Franz Boas: "Human Faculty as Determined by Race."

Economic Science and Statistics. Henry Farquhar: "A Stable Monetary Standard."

*The Springfield, Mass., Meeting, Aug.-Sept., 1895. (Vol. 44)*

Mathematics and Astronomy. Edgar Frisby. (No address.)

Physics. W. LeConte Stevens: "Recent Progress in Optics."

Chemistry. William McMurtrie: "The Relations of the Industries to the Advancement of Chemical Science."

Mechanical Science and Engineering. William Kent: "The Relation of Engineering to Economics."

Botany. J. C. Arthur: "Development of Vegetable Physiology."

Anthropology. Frank Hamilton Cushing: "The Arrow."

Social and Economic Science. B. E. Fernow: "The Providential Functions of Government with Special Reference to Natural Resources."

*The Buffalo Meeting, August, 1896. (Vol. 45)*

Mathematics and Astronomy. Alexander Macfarlane. (No address.)

Physics. Carl Leo Mees (electrolysis).

Chemistry. William A. Noyes: "The Achievements of Physical Chemistry."

Mechanical Science and Engineering. Frank O. Marvin: "The Artistic Element in Engineering."

Geology and Geography. Benjamin K. Emerson: "Geological Myths."

Zoology. Theodore Gill: "Some Questions of Nomenclature."

Botany. N. L. Britton: "Botanical Gardens."

Anthropology. Alice C. Fletcher: "The Emblematic Use of the Tree in the Dakotan Group."

Social and Economic Science. W. R. Lazenby: "Horticulture and Health."

*The Detroit Meeting, August, 1897. (Vol. 46)*

Mathematics and Astronomy. W. W. Beman: "A Chapter in the History of Mathematics."

Physics. Carl Barus: "Long Range Temperature and Pressure Variables in Physics."

Chemistry. W. P. Mason: "Expert Testimony."

Mechanical Science and Engineering. John Galbraith: "The Groundwork of Dynamics."

Geology and Geography. I. C. White: "The Pittsburg Coal Bed."

Zoology. L. O. Howard: "The Spread of Land Species by the Agency of Man; with Especial Reference to Insects."

Botany. G. F. Atkinson: "Experimental Morphology."

Anthropology. W. J. McGee: "The Science of Humanity."

Social and Economic Science. R. T. Colburn: "Improvident Civilization."

*The Boston Meeting, August, 1898. (Vol. 47)*

Mathematics and Astronomy. Edward E. Barnard: "The Development of Photography in Astronomy."

Physics. Frank P. Whitman: "Color-Vision."

Chemistry. Edgar F. Smith: "The Electric Current in Organic Chemistry."

Geology and Geography. Herman L. Fairchild: "Glacial Geology in America."

Zoology. Alpheus S. Packard: "A Half-Century of Evolution with Special Reference to the Effects of Geological Changes on Animal Life."

Botany. William G. Farlow: "The Conception of Species as Affected by Recent Investigations on Fungi."

Anthropology. J. McKeen Cattell: "The Advance of Psychology."

Social and Economic Science. Archibald Blue: "The Historic Method in Economics."

*The Columbus Meeting, August, 1899. (Vol. 48)*

Mathematics and Astronomy. Alexander Macfarlane: "The Fundamental Principles of Algebra."

Physics. Elihu Thomson: "The Field of Experimental Research."

Chemistry. F. P. Venable: "The Definition of the Element."

Mechanical Science and Engineering. Storm Bull: "Engineering Education as a Preliminary Training for Scientific Research Work."

Geology and Geography. J. F. Whiteaves: "The Devonian System in Canada."

Zoology. Simon Henry Gage: "The Importance and the Promise in the Study of the Domestic Animals."

Botany. Charles R. Barnes: "The Progress and Problems of Plant Physiology."

Anthropology. Thomas Wilson: "The Beginnings of the Science of Prehistoric Anthropology."

Social and Economic Science. Marcus Benjamin: "The Early Presidents of the American Association."

*The New York Meeting, June, 1900. (Vol. 49)*

Mathematics and Astronomy. Asaph Hall, Jr. "On the Teaching of Astronomy in the United States."

Physics. Ernest Merritt: "On Kathode Rays and Some Related Phenomena."

Chemistry. Jas. Lewis Howe: "The Eighth Group of the Periodic System and Some of Its Problems."

Geology and Geography. J. F. Kemp: "Pre-Cambrian Sediments in the Adirondacks."

Botany. William Trelease: "Some Twentieth Century Problems."

#### STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1891	Washington	653	227	2054
1892	Rochester	456	198	2037
1893	Madison	290	168	1939
1894	Brooklyn	490	211	1802
1895	Springfield	368	214	1913
1896	Buffalo	333	279	1890
1897	Detroit	292	301	1782
1898	Boston	903	443	1729
1899	Columbus	353	273	1721
1900	New York	447	253	1925

#### VII. THE PERIOD FROM 1901 TO 1910

In 1900 the weekly journal *Science* became the official organ of the Association. Thereafter the principal addresses at the meetings were published in *Science*, and since 1907 the Proceedings are simply summaries without any details of addresses or papers. Partly as a consequence of this arrangement and partly because of a rapid increase in the number of scientists in America, the membership of the Association increased several fold during the first decade of this century. The programs of the Association became correspondingly larger and more important, the growth of the Section on Chemistry having been extraordinary. It is impossible within the space available in this volume to do more than to give the titles of the addresses of the presidents and the vice presidents.

Special summer meetings were held at Ithaca, N. Y., June-July, 1906, at which 66 papers were presented, and at Hanover, N. H., June-July, 1908, at which 25 papers were presented.

#### PRESIDENTIAL ADDRESSES

R. S. Woodward (mathematics), retiring president at the meeting held at Denver, Colorado, in August, 1901, delivered an address on "The Progress of Science." (Vol. 50, pp. 219-235.)

Charles Sedgwick Minot (medicine), retiring president at the meeting held at Pittsburg, Pa., in June-July, 1902, delivered an address on "The Problem of Consciousness in Its Biological Aspects." (Vol. 51, pp. 265-283.)

Asaph Hall (astronomy), retiring president at the meeting held at Wash-

ington, D. C., Dec., 1902 - Jan., 1903, delivered an address on "The Science of Astronomy." (Vol. 52, pp. 313-323.)

Ira Remsen (chemistry), retiring president at the meeting held at St. Louis, Mo., Dec., 1903 - Jan., 1904, delivered an address on "Scientific Investigation and Progress." (Vol. 53, pp. 329-345.)

Carroll D. Wright (economics), retiring president at the meeting held at Philadelphia, Pa., December, 1904, delivered an address on "Science and Economics." (Vol. 54, pp. 335-365.)

W. G. Farlow (botany), retiring president at the meeting held at New Orleans, Louisiana, Dec., 1905 - Jan., 1906, delivered an address on "The Popular Conception of the Scientific Man at the Present Day." (Vol. 55, pp. 213-234.)

Calvin M. Woodward (mathematics), retiring president at the meeting held in New York, New York, Dec., 1906 - Jan., 1907, delivered an address on "The Science of Education." (Vol. 57, pp. 335-355.)

William Henry Welch (medicine), retiring president at the meeting held at Chicago, Ill., Dec., 1907 - Jan., 1908, delivered an address on "The Interdependence of Medicine and Other Sciences of Nature." *Science* 27:49-64.

Edward L. Nichols (physics), retiring president at the meeting held at Baltimore, Md., Dec., 1908 - Jan., 1909, delivered an address on "Science and the Practical Problems of the Future." *Science* 29:1-10.

Thomas C. Chamberlin (geology), retiring president at the meeting held at Boston, Mass., Dec., 1909 - Jan., 1910, delivered an address on "A Geologic Forecast of the Future Opportunities of Our Race." *Science* 30:937-949.

#### ADDRESSES OF VICE PRESIDENTS

##### *The Denver Meeting, August, 1901. Vol. (50)*

Chemistry. John H. Long: "Some Points in the Early History and Present Condition of the Teaching of Chemistry in the Medical Schools of the United States."

Mechanical Science and Engineering. John A. Brashear: "The Carnegie Technical School."

Zoology. Charles B. Davenport: "Zoology of the Twentieth Century."

Anthropology. Amos W. Butler: "A Notable Factor of Social Degeneration."

Social and Economic Science. Calvin M. Woodward. "The Change of Front in Education."

##### *The Pittsburgh Meeting, June-July, 1902. (Vol. 51)*

Mathematics and Astronomy. James McMahon: "Some Recent Applications of Function-Theory to Physical Problems."

Physics. D. B. Brace: "The Group-Velocity and the Wave-Velocity of Light."

Mechanical Science and Engineering. Henry S. Jacoby: "Recent Progress in American Bridge Construction."

Geology and Geography. Charles R. Van Hise: "The Training and Work of a Geologist."

Zoology. David Starr Jordan: "The History of Ichthyology."

Botany. B. T. Galloway: "Applied Botany, Retrospective and Prospective."

Anthropology. J. Walter Fewkes: "Prehistoric Porto Rico."

Social and Economic Science. John Hyde: "Some Statistical and Economic Aspects of Preventable Disease."

*The Washington Meeting, Dec., 1902 - Jan., 1903. (Vol. 52)*

Mathematics and Astronomy. G. W. Hough: "On the Physical Constitution of the Planet Jupiter."

Physics. W. S. Franklin: "Popular Science."

Chemistry. H. A. Weber: "Incomplete Observations."

Mechanical Science and Engineering. J. J. Flather: "Modern Tendencies in the Utilization of Power."

Zoology. C. C. Nutting: "The Perplexities of a Systematist."

Botany. D. H. Campbell: "The Origin of Terrestrial Plants."

Anthropology. Stewart Culin: "America the Cradle of Asia."

Social and Economic Science. Carroll D. Wright: "The Psychology of the Labor Question."

Physiology and Experimental Medicine. William H. Welch: "The Origin and Aims of the New Section of Physiology and Experimental Medicine."

*The St. Louis Meeting, Dec., 1903 - Jan., 1904. (Vol. 53)*

Mathematics and Astronomy. G. B. Halsted: "The Message of Non-Euclidian Geometry."

Chemistry. Charles Baskerville: "The Elements: Verified and Unverified."

Mechanical Science and Engineering. C. A. Waldo: "Mathematics and Engineering."

Geology and Geography. W. M. Davis: "Geography in the United States."

Zoology. C. W. Hargitt: "Some Unsolved Problems of Organic Adaptation."

Social and Economic Science. H. T. Newcomb: "Some Recent Phases of the Labor Problem."

*The Philadelphia Meeting, December, 1904. (Vol. 54)*

Mathematics and Astronomy. Otto H. Tittmann: "The Present State of Geodasy."

Physics. Edwin H. Hall: "A Tentative Theory of Thermo-Electric Action."

Chemistry. Wilder D. Bancroft: "Future Development in Physical Chemistry."

Mechanical Science and Engineering. Calvin Milton Woodward: "Lines of Progress in Engineering."

Geology and Geography. Israel C. Russell: "Cooperation among American Geographical Societies."

Zoology. E. L. Mark: "The Bermuda Islands and the Bermuda Biological Station for Research."

Botany. Thomas H. Macbride: "The Alamogordo Desert."

Social and Economic Science. Simeon E. Baldwin: "The Modern 'Droit D'Aubaine'."

*The New Orleans Meeting, Dec., 1905 - Jan., 1906. (Vol. 55)*

Mathematics and Astronomy. Alexander Ziwet: "The Relation of Mechanics to Physics."

Physics. William F. Magie: "The Partition of Energy."

Chemistry. Leonard P. Kinnicutt: "The Sanitary Value of Water Analysis."

Mechanical Science and Engineering. D. S. Jacobus: "Investigations and Commercial Tests in Connection with the Work of an Engineering College."

Geology and Geography. Eugene A. Smith: "On Some Post-Eocene and Other Formations of the Gulf Region of the United States."

Zoology. C. Hart Merriam: "Is Mutation a Factor in the Evolution of the Higher Vertebrates?"

Botany. B. L. Robinson: "The Generic Concept in the Classification of the Flowering Plants."

Anthropology. Walter Hough: "Pueblo Environment."

Social and Economic Science. Martin A. Knapp: "Transportation and Combination."

Physiology and Experimental Medicine. William T. Sedgwick: "The Experimental Method in Sanitary Science and Sanitary Administration."

*The New York City Meeting, Dec., 1906 - Jan., 1907. (Vol. 57)*

Mathematics and Astronomy. W. S. Eichelberger: "Clocks—Ancient and Modern."

Physics. Henry Crew: "Fact and Theory in Spectroscopy."

Chemistry. Charles F. Mabery: "Education of the Professional Chemist."

Mechanical Science and Engineering. F. W. McNair: "Some Problems Connected with Deep Mining in the Lake Superior Copper District."

Geology and Geography. William North Rice: "The Contributions of America to Geology."

Zoology. Henry B. Ward: "The Influence of Parasitism on the Host."

Anthropology. George Grant MacCurdy: "Some Phases of Prehistoric Archaeology."

Social and Economic Science. Irving Fisher: "Why Has the Doctrine of Laissez Faire Been Abandoned?"

Physiology and Experimental Medicine. William T. Sedgwick: "The Expansion of Physiology."

*The Chicago Meeting, Dec., 1907 - Jan., 1908. (Science 27. 1908)*<sup>1</sup>

Mathematics and Astronomy. Edward Kasner: "Geometry and Mechanics." (Publication not known.)

Physics. Wallace C. Sabine: "Melody and the Origin of the Musical Scale."

Chemistry. Clifford Richardson: "A Plea for the Broader Education of the Chemical Engineer."

Geology and Geography. A. C. Lane: "The Early Surroundings of Life." *Science* 26.

Zoology. Edwin G. Conklin: "The Mechanism of Heredity."

Botany. D. T. MacDougal: "Heredity and Enviromic Forces."

Anthropology and Psychology. A. L. Kroeber: "The Anthropology of California."

Social and Economic Science. Charles A. Conant: "The Influence of Friction in Economics."

Physiology and Experimental Medicine. Simon Flexner: "Tendencies in Pathology."

Education. Elmer Ellsworth Brown: "The Outlook of the Section for Education."

*The Baltimore Meeting, Dec., 1908 - Jan., 1909. (Science 29. 1909)*

Mathematics and Astronomy. Edgar Odell Lovett: "The Problem of Several Bodies: Recent Progress in Its Solution."

Physics. Dayton C. Miller: "The Influence of the Material of Wind Instruments on the Tone Quality."

Chemistry. Henry P. Talbot: "Science Teaching as a Career."

Mechanical Science and Engineering. Olin H. Landreth: "Government Control of Public Waters." (No record of publication.)

<sup>1</sup> Unless otherwise stated, the addresses listed are printed in the indicated volumes of *Science*.

Geology and Geography. Joseph P. Iddings: "The Study of Igneous Rocks."

Zoology. Edmund B. Wilson: "Recent Researches on the Determination and Heredity of Sex."

Botany. Charles Edwin Bessey: "The Phyletic Idea in Taxonomy."

Anthropology and Psychology. Franz Boas: "Race Problems in America."

Social and Economic Science. John Franklin Crowell: "The Influence of Science upon the Progress of Investment."

Physiology and Experimental Medicine. Ludvig Hektoen: "Oposonins and Other Antibodies."

Education. Elmer Ellsworth Brown: "American Standards in Education and the World-Standard."

*The Boston Meeting, Dec., 1909 - Jan., 1910. (Science 31. 1910)*

Mathematics and Astronomy. Cassius J. Keyser: "The Thesis of Modern Logistic."

Physics. Karl Eugen Guthe: "Some Reforms Needed in the Teaching of Physics."

Chemistry. Louis Kahlenberg: "The Past and Future of the Study of Solutions."

Mechanical Science and Engineering. George F. Swain: "The Profession of Engineering and Its Relation to the American Association for the Advancement of Science."

Geology and Geography. Bailey Willis: "Principles of Paleogeography."

Zoology. C. Judson Herrick: "The Evolution of Intelligence and Its Organs."

Botany. Herbert M. Richards: "The Nature of Response to Chemical Stimulation."

Anthropology and Psychology. R. S. Woodworth: "Racial Differences in Mental Traits."

Social and Economic Science. Byron W. Holt: "The Gold Question." (Moody's magazine, 1910.)

Physiology and Experimental Medicine. William H. Howell: "Chemical Regulation in the Animal Body by Means of Activators, Kinases and Hormones."

Education. John Dewey: "Science as a Method of Thinking and as Information in Education."

## STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1901	Denver	311	220	2703
1902	Pittsburgh	435	360	3474
1902-3	Washington	975	426	3992
1903-4	St. Louis	385	264	4005
1904-5	Philadelphia	890	224	4041
1905-6	New Orleans	233	211	4321
1906-7	New York	934	360	4498
1907-8	Chicago	725	458	5114
1908-9	Baltimore	1088	459	6136
1909-10	Boston	1140	404	7950

## VIII. THE PERIOD FROM 1911 TO 1920

From the founding of the Association in 1848 until the year 1909 the Proceedings of its meetings were published in annual volumes. For many years the Proceedings contained all papers in full for which manuscripts were supplied to the permanent secretary. As the number of papers increased it became necessary to reduce reports of them to abstracts, except the addresses of retiring presidents. Beginning with 1908 the addresses of retiring presidents have been published in *Science* and have not been included in the Proceedings. Since 1910 both preliminary announcements and reports of the meetings have been published in *Science*, and copies of the issues of *Science* containing the reports have been sent to every member of the Association.

With the publication in *Science* of the addresses of the retiring presidents of the Association and of most of the vice presidents, and also of many other papers presented at the meetings, the importance of the Proceedings as a medium for the publication of addresses and papers declined. Thereafter the reports of the programs of the meetings were given only in condensed form. For example, the Proceedings for 1885, containing a report of the only (Philadelphia) meeting held that year, amounted to 736 pages; while the Proceedings for 1908 and 1909, including condensed reports of three meetings, namely, a special summer meeting in Hanover, N. H., in 1908, the annual meeting held in Baltimore, Dec., 1908 - Jan., 1909, and also the meeting held in Boston, in December, 1909, totaled only 686 pages.

As a consequence of these various factors, beginning with 1912 the Proceedings have been published only in summarized form, each volume covering a period of several years. The second Summarized Proceedings were published in 1915, the third in 1921, the fourth in 1925, the fifth in 1929, and the sixth in 1934.

In 1915 the Pacific Division of the Association was organized and held its first annual meeting at San Diego, Calif., in August, 1916. The Southwestern Division was organized in 1920.

## ADDRESSES OF RETIRING PRESIDENTS

1910. David Starr Jordan (zoology): "The Making of a Darwin." *Science* 32: 929-942.

1911. Albert A. Michelson (physics): "Recent Progress in Spectroscopic Methods." *Science* 34: 893-902.

1912. Charles E. Bessey (botany): "Some of the Next Steps in Botanical Science." *Science* 37: 1-13.

1913. Edward C. Pickering (astronomy): "The Study of the Stars." *Science* 39: 1-9.

1914. Edmund B. Wilson (zoology): "Some Aspects of Progress in Modern Zoology." *Science* 41: 1-11.

1915. Charles W. Eliot (education): "The Fruits, Prospects and Lessons of Recent Biological Science." *Science* 42: 919-930.

1916. Wallace W. Campbell (astronomy): "The Nebulae." *Science* 45: 513-548.

1917. Charles R. Van Hise (geology): "Some Economic Aspects of the World War." *Science* 47: 1-10.

1918. Theodore W. Richards (chemistry): "The Problem of Radioactive Lead." *Science* 49: 1-11.

1919. John M. Coulter (botany): "The Evolution of Botanical Research." *Science* 51: 1-8.

1920. Simon Flexner (medicine): "Twenty-five Years of Bacteriology: A Fragment of Medical Research." *Science* 52: 615-632.

## ADDRESSES OF RETIRING PRESIDENTS—THE PACIFIC DIVISION

1919. D. T. MacDougal (botany): "Growth in Organisms." *Science* 49: 599-605.

1920. John C. Merriam (paleontology): "The Research Spirit in Everyday Life of the Average Man." *Science* 52: 473-478.

## STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1911	Washington	1306	860	8041
1912	Cleveland	720	813	8333
1913	Atlanta	394	443	8350
1914	Philadelphia	—	774	8325
1915	San Francisco	606	482	—
1915	Columbus	750	532	—
1916	New York	2100	1252	—
1917	Pittsburgh	692	546	—
1918	Baltimore	—	467	—
1919	St. Louis	—	824	11,442
1920	Chicago	2413	1011	11,547

## IX. THE PERIOD FROM 1921 TO 1940

The decade following the World War was one of great expansion in science and in the membership of the Association. In 1921 a total of 41 national scientific societies and 12 state and local academies of science had become "affiliated" with the Association and had representation on its Council. In addition, there were 40 societies and organizations that had become "associated" societies, without representation on the Council. At the close of the fiscal year 1921 there were 11,547 members of the Association; by 1930 the membership had increased to 19,059. Following the industrial depression that began in 1930 there was a moderate recession in the activities of many scientific societies and in the membership of the Association, which had declined to 18,549 at the close of the fiscal year 1933. As of July 1, 1940, the membership of the Association was 21,150.

With the progressive subdivision of science into more specialized fields there were corresponding increases in the number of sections of the Association. A new constitution of the Association, adopted at the annual meeting for 1919-20, provided for 15 sections, all of which have been continuously active except the Section on Industrial Science (P).<sup>1</sup>

In order to present conveniently, in groups, in one volume the titles of all the addresses of presidents of the Association from its founding in 1848 to 1940, and references to the places where they were published, they will be given here for the period from 1921 to 1940, although from 1921 to 1934 they are included in the Summarized Proceedings published in 1921, 1925, 1929, and 1934; and for the period 1934 to 1940 they appear in the following detailed reports of the activities of the Association for these years. The titles of the addresses of vice presidents for the period 1921 to 1934, having been given in earlier Summarized Proceedings, are not repeated here. But complete lists of the Sigma Xi, Phi Beta Kappa, Maiben and John Wesley Powell lectures are given.

At the April, 1925, meeting of the Executive Committee of the Association a contract was entered into between Dr. J. McKeen Cattell, owner and editor of *Science*, and the Association for the transfer, under certain conditions, of the absolute ownership of *Science* to the Association. This contract was superseded when, in December, 1938, Dr. J. McKeen Cattell and Josephine Owen Cattell executed an indenture transferring title of both *Science* and *The Scientific Monthly* to the Association, the terms of the transfer being defined by a simultaneous contract entered into between J. McKeen Cattell and Josephine Owen Cattell, parties of the first part, and the Association. This acquisition of title to *Science* and *The Scientific Monthly* may well prove to be one of the most important steps taken by the Association since its founding.

*Science* was established in 1883 by Alexander Graham Bell and Gardner G. Hubbard, following a short-lived weekly journal with the same title started by Thomas A. Edison in 1881. *Science* attained at the most a paid circulation of only about 2000 and continually had a deficit. In 1893 the Association voted it a subsidy of \$750. In spite of this assistance it suspended publication with the issue of March 23, 1894. At this juncture Dr. Cattell purchased *Science*, resumed its publication on January 4, 1895, and filled all unexpired subscriptions. This was the beginning of the "New Series," the issue of June 28, 1940, completing the 91st volume. After the first year under the ownership of Dr. Cattell, *Science* neither received nor sought any subsidies or gifts for its support. In 1900 *Science* became the official journal of the Association. Immediately thereafter both the membership of the Association and the circulation of *Science* rapidly increased.

*The Scientific Monthly* completed its 50th volume with the June, 1940, issue. During the entire period of the publication of these 50 volumes Dr. Cattell was owner and editor of the journal.

#### ADDRESSES OF RETIRING PRESIDENTS

1921. L. O. Howard (entomology): "On Some Presidential Addresses; The War Against the Insects." *Science* 54: 641-651.

1922. E. H. Moore (mathematics): "What Is a Number System?" (Not published.)

1923. J. Playfair McMurrich (anatomy): "A Retrospect." *Science* 58: 521-531.

1924. Charles D. Walcott (paleontology): "Science and Service." *Science* 61: 1-5.

1925. J. McKeen Cattell (psychology): "Some Psychological Experiments." *Science* 63: 1-8, 29-35.

1926. M. I. Pupin (engineering): "Fifty Years' Progress in Electrical Communications." *Science* 64: 631-638.

1927. L. H. Bailey (horticulture). (Retiring president ill and address not delivered.)

1928. Arthur A. Noyes (chemistry): "The Story of the Chemical Elements." *Science* 69: 19-27. 1929.

1929. Henry F. Osborn (paleontology): "The Discovery of Tertiary Man." *Science* 71: 1-7. 1930.

1930. Robert A. Millikan (physics): "Present Status of Theory and Experiment as to Atomic Disintegration and Atomic Synthesis." *Science* 73: 1-5. 1931.

1931. Thomas H. Morgan (zoology). (Retiring president ill and address not delivered.)

1932. Franz Boas (anthropology): "The Aims of Anthropological Research." *Science* 76: 605-613.

1933. John J. Abel (pharmacology): "On Poisons and Disease and Some Experiments with the Toxin of the *Bacillus Tetani*." *Science* 79: 63-70, 121-129.

1934. Henry Norris Russell (astronomy): "The Atmospheres of the Planets." *Science* 81: 1-9.

1935. Edward L. Thorndike (psychology): "Science and Values." *Science* 83: 1-8.

1936. Karl T. Compton (physics): "The Electron: Its Intellectual and Social Significance." *Science* 85: 27-37.

1937. Edwin G. Conklin (zoology): "Science and Ethics." *Science* 86: 595-603.

1938. George D. Birkhoff (mathematics): "Intuition, Reason and Faith in Science." *Science* 88: 601-609.

1939. Wesley C. Mitchell (economics): "The Public Relations of Science." *Science* 90: 599-607.

#### ADDRESSES OF RETIRING PRESIDENTS—THE PACIFIC DIVISION

1916. Wallace W. Campbell (astronomy): "What We Know About Comets." (No record of publication.)

1918. (Record not available.)

1919. D. T. MacDougal (botany): "Growth of Organisms." *Science* 49: 599-605.

1920. John C. Merriam (paleontology): "The Research Spirit in Everyday Life of the Average Man." *Science* 52: 473-478.

1921. William E. Ritter (zoology): "Scientific Idealism." *The Scientific Monthly* 13: 328-341.

1922. Barton W. Everman (biology): "The Conservation and Proper Utilization of Our Natural Resources." *The Scientific Monthly* 15: 289-312.

1923. E. P. Lewis (astronomy): "The Contributions of Astronomy to Civilization." *Science* 58: 405-412.

1924. David Starr Jordan (zoology): "Science and Sciosophy." *Science* 59: 563-569.

1925. C. E. Grunsky (engineering): "The Climate of the Ice Age." *Proc. Calif. Acad. Sci.* 4th Ser. 16: 53-85.

1926. Robert G. Aitken (astronomy): "The Solar System—Some Unsolved Problems." *Science* 64: 191-198.

1927. Arthur A. Noyes (chemistry): "The Periodic Relations of the Elements." *Proc. Nat. Acad. Sci.* 13: 737-743.

1928. C. A. Kofoed (zoology): "The Luminescence of the Sea." (No record of publication.)

1929. Walter S. Adams (astronomy): "The Astronomer's Measuring Rod." *Publications of Astronomical Society of the Pacific* 41: 195-211.
1930. Douglas H. Campbell (botany): "The Origin of Land Plants." *Science* 72: 177-187.
1931. T. Wayland Vaughan (geology, anthropology).
1932. A. O. Leuschner (astronomy): "The Astronomical Romance of Pluto." *Publications of the Astronomical Society of the Pacific* 44.
1933. W. F. Durand (engineering): "The Development of Our Knowledge of the Laws of Fluid Mechanics." *Science* 78: 343-351.
1934. Joel H. Hildebrand (chemistry): "The Liquid State." *Science* 80: 125-133.
1935. Bailey Willis (geology): "The Living Globe." *Science* 82: 427-433.
1936. Richard C. Tolman (physical chemistry): "The Present Status of Cosmology." *The Scientific Monthly* 43: 491-507; 44: 20-40.
1937. Herbert M. Evans (anatomy): "The Development of Our Knowledge of Anterior Pituitary Functions."
1938. J. S. Plaskett (astronomy): "Modern Conceptions of the Stellar System." *Popular Astronomy* 48, No. 5. 1939.
1939. S. J. Holmes (zoology): "Darwinian Ethics and Its Practical Applications." *Science* 90: 117-123. 1939.
1940. Lewis M. Terman (psychology): "Psychological Approaches to the Biography of Genius."

## ADDRESSES OF RETIRING PRESIDENTS—THE SOUTHWESTERN DIVISION

1920. Edgar L. Hewett (archaeology): "The Southwest—Yesterday and Tomorrow." *Archaeol. Inst. of Am. New Ser.* 2: 1-8.
1922. A. E. Douglass (astronomy): "Some Aspects of the Use of the Annual Rings of Trees in Climatic Study." *The Scientific Monthly* 15: 1-21.
1923. (Record not available.)
1924. Byron Cummings (archaeology): "The Development of Prehistoric Pueblo Culture."
1925. Elliott C. Prentiss: "The Specific Immunity of the Tissues and Its Bearing on Treatment." *Science* 62: 91-95.
1926. T. D. A. Cockerell (zoology): "The Duty of Biology." *Science* 63: 367-371.
1927. A. L. Flagg (engineering): "The Search for Metals." (No record of publication.)
1929. Forrest Shreve (botany): "The Desert as a Dwelling Place."
1930. Francis Ramaley (botany): "Specialization in Science." *Science* 72: 325-326.

1932. John D. Clark (chemistry): "A Responsibility of the Scientist Toward Society."

1933. Charles T. Vorhies: "Snakes of the Southwest." (Not published.)

1934. O. C. Lester (physics): "Research: The Door to Tomorrow."

1935. D. S. Robbins (physics): "Science and Religion."

1936. Harold S. Colton (archaeology): "The Rise and Fall of the Pre-historic Population of Northern Arizona." *Science* 84: 337-343.

1937. None.

1938. F. E. E. Germann (chemistry): "The Occurrence of Carbon Dioxide, with Notes on the Origin and Relative Importance of Subterranean Carbon Dioxide." *Science* 87: 513-521.

1939. Edwin F. Carpenter (astronomy): "The Revolt Against Thought."

1940. J. R. Eyer (biology): "Responsibility of the Scientist in a Changing World Order."

#### STATISTICAL DATA—ANNUAL MEETINGS

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership at Sept. 30</i>
1921	Toronto	1832	813	11,547
1922	Boston	2339	1019	11,646
1923	Cincinnati	2211	1140	11,707
1924	Washington	4206	1781	12,887
1925	Kansas City	1931	985	14,263
1926	Philadelphia	3181	1449	14,366
1927	Nashville	1662	1141	14,862
1928	New York	3935	2200	16,328
1929	Des Moines	1880	1230	18,462
1930	Cleveland	2635	1830	19,059
1931	New Orleans	1447	1263	19,889
1932	Atlantic City	2066	1500	18,665
1933	Boston	2351	1500	18,549
1934	Pittsburgh	2823	1550	18,553
1935	St. Louis	2292	1200	18,102
1936	Atlantic City	2375	1450	18,242
1937	Indianapolis	3094	1681	18,776
1938	Richmond	2553	1706	19,059
1939	Columbus	2715	2154	20,195

#### STATISTICAL DATA—THE PACIFIC DIVISION

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1916	San Diego	120	—	—
1917	No meeting	—	—	—
1918	Stanford University	—	—	—
1919	Pasadena	—	—	—
1920	Seattle	—	—	—
1921	Berkeley	—	—	—
1922	Salt Lake City <sup>1</sup>	400	—	—

<sup>1</sup> Joint meeting of the Pacific Division and the Association.

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1923	Los Angeles	558	231	1135
1924	Palo Alto	377	185	1342
1925	Portland, Ore.	254	221	1498
1926	Mills College, Calif.	402	235	1471
1927	Reno, Nevada	182	174	1550
1928	Pomona, Calif. <sup>1</sup>	483	266	1802
1929	Berkeley	521	89	1997
1930	Eugene, Ore.	456	233	1997
1931	Pasadena	1193	580	2011
1932	Pullman, Wash.	519	222	1922
1933	Salt Lake City	268	162	1743
1934	Berkeley	1164	863	1856
1935	Los Angeles	779	383	1971
1936	Seattle	779	449	2004
1937	Denver <sup>2</sup>	763	575	2023
1938	San Diego	832	312	2096
1939	Stanford University	—	—	2157

<sup>1</sup> Joint meeting of the Pacific Division and the Southwestern Division.

<sup>2</sup> Joint meeting of the Association, the Pacific Division and the Southwestern Division.

#### STATISTICAL DATA—THE SOUTHWESTERN DIVISION

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1920	El Paso	71	36	—
1922	Tucson	112	—	—
1922	Santa Fe	122	35	—
1923	Los Angeles <sup>1</sup>	558	231	—
1924	El Paso	90	—	—
1925	Boulder	153	39	—
1926	Phoenix	214	130	—
1927	Santa Fe	73	55	253
1928	Flagstaff	72	87	286
1929	Albuquerque	103	104	337
1930	Tucson	—	121	331
1931	No meeting	—	—	339
1932	Denver	—	98	316
1933	Las Cruces	—	136	296
1934	Lubbock	—	82	258
1935	Santa Fe	220	142	277
1936	Flagstaff	160	116	323
1937	Denver <sup>2</sup>	763	575	342
1938	Albuquerque	113	110	410
1939	Alpine-Mt. Locke <sup>3</sup>	—	112	366
1940	Tucson	165	153	366

<sup>1</sup> Joint meeting with Pacific Division.

<sup>2</sup> Joint meeting with the Association and the Pacific Division.

<sup>3</sup> Joint meeting with American Astronomical Society at dedication of the McDonald Observatory at Mt. Locke, Texas.

## ANNUAL SIGMA XI LECTURES

Each year since 1922 a lecture has been delivered at the annual meeting of the Association under the joint auspices of the Association and the Society of the Sigma Xi. The Association sets aside an evening for these lectures which are designated as General Sessions. The Society of the Sigma Xi selects the lecturer.

Each of these lectures has been published in the issue of the Sigma Xi Quarterly next following the date of its delivery. Since the lectures have been delivered late in December, they have been published in the early months of the following year. The following is the complete list of the lecturers and the titles of their addresses from 1922 to 1939, inclusive:

- 1922. Livingston Farrand: "The Nation and Its Health."
- 1923. Willis R. Whitney: "The Vacuum—There's Something in It."
- 1924. Frederick F. Russell: "War on Disease, Particularly Yellow Fever and Malaria."
- 1925. F. D. Farrell: "A Desert Becomes a Garden."
- 1926. Herbert C. Hoover: "The Nation and Science."
- 1927. Clarence Cook Little: "Opportunities for Research in Mammalian Genetics."
- 1928. Arthur Compton: "What Is Light?"
- 1929. George Howard Parker: "Some Aspects of Human Biology."
- 1930. C. E. K. Mees: "The Science of Photography."
- 1931. C. F. Hirshfeld: "Whose Fault?"
- 1932. Harlow Shapley: "Fact and Fancy in Cosmogony."
- 1933. Henry E. Sigerist: "The Foundation of Anatomy in the Renaissance."
- 1934. Earnest A. Hooton: "Homo Sapiens, Whence and Whither."
- 1935. John Bellamy Taylor: "The Human Eye and the Electric Eye."
- 1936. Henry G. Knight: "Selenium."
- 1937. Irving Langmuir: "The Biological Applications of Surface Chemistry."
- 1938. W. F. Durand: "Modern Trends in Air Transport."
- 1939. Kirtley F. Mather: "The Future of Man as an Inhabitant of the Earth."

## ANNUAL PHI BETA KAPPA LECTURES

Each year since 1935, at the annual meeting of the Association, a lecture has been delivered under the auspices of the United Chapters of Phi Beta Kappa. The lecturers and the titles of their addresses from 1935 to 1939, inclusive, are as follows:

- 1935. William Allan Neilson: "The American Scholar Today." The American Scholar 1936, spring.

1936. James Rowland Angell: "The Scholar and the Specialist." *The American Scholar* 1937, summer.
1937. George Lyman Kittredge: "Shakespeare and the Critics." To appear in a book.
1938. Frank Pierrepont Graves: "Is Education a Science." *School and Society*.
1939. Marjorie Hope Nicolson: "Science and Literature."

## ANNUAL MAIBEN LECTURES

The Maiben Lectures were established in 1932 in memory of Hector E. Maiben, for most of his life a farmer near Lincoln, Nebraska, who was for ten years a sustaining member of the Association and who left his entire estate to the Association upon his death. The Maiben lecturers and their subjects have been as follows:

1932. Henry Norris Russell: "The Constitution of the Stars." *Science* 77: 65-79.
1933. William Morris Davis: "The Faith of Reverent Science." *The Scientific Monthly* 38: 36. 1933.
1934. L. Dudley Stamp: "Planning the Land of the Future." *Science* 80: 507-512.
1935. Richard P. Strong: "The Importance of Ecology in Tropical Diseases." *Science* 82: 307-317.
1936. Charles Camsell: "A 4000 Mile Flight over Northwestern Canada in August, 1935." (No record of publication.)
1937. Nevil V. Sidgwick: "Molecules." *Science* 86: 335-340.
1938. Robert C. Wallace: "The Changing Values of Science." *Science* 88: 265-271.
1939. Victor G. Heiser: "The Influence of Nutrition on the Diseases of Middle and Old Age." *The Scientific Monthly* 49: 304-310.
1940. Edwin P. Hubble: "Problems in Nebular Research."

## THE JOHN WESLEY POWELL LECTURES

In 1929 the Southwestern Division inaugurated the John Wesley Powell Memorial Lectures in honor of a distinguished geologist and the leader of the first expedition that descended the Colorado River through the Grand Canyon. The lecturers and the titles of their addresses have been as follows:

1929. William Morris Davis, Harvard University.
1930. Rodney H. True, University of Pennsylvania.
1932. Max Pinner, Desert Sanatorium of Southern Arizona: "Fifty Years of the Tubercle Bacillus."
1933. Aldo Leopold, University of Wisconsin: "The Conservation Ethic."

1934. Otto Struve, The University of Chicago: "The Galaxy."

1935. Edgar L. Hewett, President of the Schools of American Research and Director of the Museum of New Mexico: "The Social Sciences in the Program of Education."

1936. John C. Merriam, President of the Carnegie Institution of Washington: "The Wilderness as a Teacher, Preacher, and Companion. A Study of the Contribution made by a Great National Park."

1937. A. E. Douglass, University of Arizona: "Tree-rings and Chronology."

1938. E. R. Hedrick, Provost of University of California, Los Angeles: "Relations of Science to Economics and to War."

1939. A. H. Compton, The University of Chicago: "Physics Views the Future."

## MEETINGS, 1848-1940

### MEETINGS OF THE ASSOCIATION

- |   |  |
|---|--|
| 1. Philadelphia .....Sept., 1848        | 30. Cincinnati .....Aug., 1881           |
| 2. Cambridge .....Aug., 1849            | 31. Montreal .....Aug., 1882             |
| 3. Charleston (S. Car.).....Mar., 1850  | 32. Minneapolis .....Aug., 1883          |
| 4. New Haven .....Aug., 1850            | 33. Philadelphia .....Sept., 1884        |
| 5. Cincinnati .....May, 1851            | 34. Ann Arbor .....Aug., 1885            |
| 6. Albany .....Aug., 1851               | 35. Buffalo .....Aug., 1886              |
| (No meeting in 1852)                    | 36. New York .....Aug., 1887             |
| 7. Cleveland .....July, 1853            | 37. Cleveland .....Aug., 1888            |
| 8. Washington .....May, 1854            | 38. Toronto .....Aug., 1889              |
| 9. Providence .....Aug., 1855           | 39. Indianapolis .....Aug., 1890         |
| 10. Albany .....Aug., 1856              | 40. Washington .....Aug., 1891           |
| 11. Montreal .....Aug., 1857            | 41. Rochester .....Aug., 1892            |
| 12. Baltimore .....May, 1858            | 42. Madison .....Aug., 1893              |
| 13. Springfield (Mass.) .....Aug., 1859 | 43. Brooklyn .....Aug., 1894             |
| 14. Newport .....Aug., 1860             | 44. Springfield (Mass.) Aug.-Sept., 1895 |
| (No meetings 1861-1865)                 | 45. Buffalo .....Aug., 1896              |
| 15. Buffalo .....Aug., 1866             | 46. Detroit .....Aug., 1897              |
| 16. Burlington (Vt.) .....Aug., 1867    | 47. Boston .....Aug., 1898               |
| 17. Chicago .....Aug., 1868             | 48. Columbus .....Aug., 1899             |
| 18. Salem (Mass.) .....Aug., 1869       | 49. New York .....June, 1900             |
| 19. Troy .....Aug., 1870                | 50. Denver .....Aug., 1901               |
| 20. Indianapolis .....Aug., 1871        | 51. Pittsburgh .....June-July, 1902      |
| 21. Dubuque .....Aug., 1872             | 52. Washington ....Dec., 1902-Jan., 1903 |
| 22. Portland (Maine) .....Aug., 1873    | 53. St. Louis .....Dec., 1903-Jan., 1904 |
| 23. Hartford .....Aug., 1874            | 54. Philadelphia .....Dec., 1904         |
| 24. Detroit .....Aug., 1875             | 55. New Orleans ...Dec., 1905-Jan., 1906 |
| 25. Buffalo .....Aug., 1876             | 56. Ithaca .....June-July, 1906          |
| 26. Nashville .....Aug., 1877           | 57. New York .....Dec., 1906-Jan., 1907  |
| 27. St. Louis .....Aug., 1878           | 58. Chicago .....Dec., 1907-Jan., 1908   |
| 28. Saratoga Springs .....Aug., 1879    | 59. Hanover (N. H.) ....June-July, 1908  |
| 29. Boston .....Aug., 1880              | 60. Baltimore .....Dec., 1908-Jan., 1909 |

## MEETINGS OF THE ASSOCIATION, CONTINUED

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|--|--|
| 61. Boston .....Dec., 1909-Jan., 1910      | 84. Nashville .....Dec., 1927              |
| 62. Minneapolis .....Dec., 1910            | 85. New York .....Dec., 1928-Jan., 1929    |
| 63. Washington .....Dec., 1911             | 86. Des Moines ....Dec., 1929-Jan., 1930   |
| 64. Cleveland . . . .Dec., 1912-Jan., 1913 | 87. Cleveland .....Dec., 1930-Jan., 1931   |
| 65. Atlanta .....Dec., 1913-Jan., 1914     | 88. Pasadena .....June, 1931               |
| 66. Philadelphia ...Dec., 1914-Jan., 1915  | 89. New Orleans ..Dec., 1931-Jan., 1932    |
| 67. San Francisco .....Aug., 1915          | 90. Syracuse .....June, 1932               |
| 68. Columbus .....Dec., 1915-Jan., 1916    | 91. Atlantic City .....Dec., 1932          |
| 69. New York .....Dec., 1916               | 92. Chicago .....June, 1933                |
| 70. Pittsburgh ....Dec., 1917-Jan., 1918   | 93. Boston .....Dec., 1933-Jan., 1934      |
| 71. Baltimore .....Dec., 1918              | 94. Berkeley .....June, 1934               |
| 72. St. Louis .....Dec., 1919-Jan., 1920   | 95. Pittsburgh ....Dec., 1934-Jan., 1935   |
| 73. Chicago .....Dec., 1920-Jan., 1921     | 96. Minneapolis .....June, 1935            |
| 74. Toronto .....Dec., 1921                | 97. St. Louis .....Dec., 1935-Jan., 1936   |
| 75. Salt Lake City.....June, 1922          | 98. Rochester .....June, 1936              |
| 76. Boston .....Dec., 1922                 | 99. Atlantic City .Dec., 1936-Jan., 1937   |
| 77. Los Angeles .....Sept., 1923           | 100. Denver .....June, 1937                |
| 78. Cincinnati ....Dec., 1923-Jan., 1924   | 101. Indianapolis ...Dec., 1937-Jan., 1938 |
| 79. Washington ....Dec., 1924-Jan., 1925   | 102. Ottawa .....June, 1938                |
| 80. Boulder (Colo.) .....June, 1925        | 103. Richmond (Va.) .....Dec., 1938        |
| 81. Portland (Oregon) .....June, 1925      | 104. Milwaukee .....June, 1939             |
| 82. Kansas City ....Dec., 1925-Jan., 1926  | 105. Columbus .....Dec., 1939-Jan., 1940   |
| 83. Philadelphia ...Dec., 1926-Jan., 1927  | 106. Seattle .....June, 1940               |

## MEETINGS OF THE PACIFIC DIVISION

- |   |   |
|---|---|
| 1. San Diego .....Aug., 1916            | 13. Berkeley .....June, 1929            |
| 2. Stanford University .....June, 1918  | 14. Eugene, Ore .....June, 1930         |
| 3. Pasadena .....June, 1919             | 15. Pasadena .....June, 1931            |
| 4. Seattle .....June, 1920              | 16. Pullman, Wash. ....June, 1932       |
| 5. Berkeley .....Aug., 1921             | 17. Salt Lake City.....June, 1933       |
| 6. Salt Lake City.....June, 1922        | 18. Berkeley .....June, 1934            |
| 7. Los Angeles .....Sept., 1923         | 19. Los Angeles .....June, 1935         |
| 8. Palo Alto .....June, 1924            | 20. Seattle .....June, 1936             |
| 9. Portland, Oregon .....June, 1925     | 21. Denver .....June, 1937              |
| 10. Mills College, Calif.....June, 1926 | 22. San Diego .....June, 1938           |
| 11. Reno, Nevada .....June, 1927        | 23. Stanford University .....June, 1939 |
| 12. Pomona, Calif. ....June, 1928       | 24. Seattle .....June, 1940             |

## MEETINGS OF THE SOUTHWESTERN DIVISION

- |                                  |  |
|----------------------------------|--|
| 1. El Paso .....Dec., 1920       | 11. Tucson .....April, 1930              |
| 2. Tucson .....Jan., 1922        | 12. Denver .....April, 1932              |
| 3. Santa Fe .....Sept., 1922     | 13. Las Cruces .....May, 1933            |
| 4. Los Angeles .....Sept., 1923  | 14. Lubbock ....April, 1934              |
| 5. El Paso .....May, 1924        | 15. Santa Fe .....April-May, 1935        |
| 6. Boulder .....June, 1925       | 16. Flagstaff-Grand Canyon ..April, 1936 |
| 7. Phoenix .....Feb., 1926       | 17. Denver .....June, 1937               |
| 8. Santa Fe .....April, 1927     | 18. Albuquerque .....April, 1938         |
| 9. Flagstaff .....April, 1928    | 19. Alpine-Mt. Locke.....May, 1939       |
| 10. Albuquerque .....April, 1929 | 20. Tucson .....April, 1940              |

## GENERAL OFFICERS, 1848-1940

## ROLL OF THE PRESIDENTS

*William B. Rogers ( <i>geology</i> ) ( <i>Acting until the election of President Redfield</i> )	*Wolcott Gibbs ( <i>chemistry</i> ).....1897
*W. C. Redfield ( <i>geology</i> ).....1848	*F. W. Putnam ( <i>anthropology</i> ).....1898
*Joseph Henry ( <i>physics</i> ).....1849	*Edward Orton ( <i>geology</i> ).....1899
*A. D. Bache ( <i>geography</i> ).....1850	*R. S. Woodward ( <i>mathematics</i> ).....1900
*Louis Agassiz ( <i>zoology</i> ).....1851	*C. S. Minot ( <i>medicine</i> ).....1901
(No meeting in 1852)	*Asaph Hall ( <i>astronomy</i> ).....
*Benjamin Peirce ( <i>physics</i> ).....1853	.....(first meeting) 1902
*James D. Dana ( <i>anthropology</i> ).....1854	*Ira Remsen ( <i>chemistry</i> ).....
*John Torrey ( <i>botany</i> ).....1855	.....(second meeting) 1902
*James Hall ( <i>geology</i> ).....1856	*Carroll D. Wright ( <i>economics</i> ).....1903
*J. W. Bailey ( <i>chemistry</i> ).....1857	*W. G. Farlow ( <i>botany</i> ).....1904
*Jeffries Wyman ( <i>medicine</i> ).....1858	*C. M. Woodward ( <i>mathematics</i> ).....1905
*Stephen Alexander ( <i>astronomy</i> ).....1859	*Wm. H. Welch ( <i>medicine</i> ).....1906
*Isaac Lea ( <i>geology</i> ).....1860	*E. L. Nichols ( <i>physics</i> ).....1907
(No meetings 1861-1865 and no presidents)	*T. C. Chamberlin ( <i>geology</i> ).....1908
*F. A. P. Barnard ( <i>astronomy</i> ).....1866	*David S. Jordan ( <i>biology</i> ).....1909
*J. S. Newberry ( <i>geology</i> ).....1867	*A. A. Michelson ( <i>physics</i> ).....1910
*B. A. Gould ( <i>astronomy</i> ).....1868	*Charles E. Bessey ( <i>botany</i> ).....1911
*J. W. Foster ( <i>geography</i> ).....1869	*E. C. Pickering ( <i>astronomy</i> ).....1912
*Wm. Chauvenet ( <i>mathematics</i> ).....1870	*Edmund B. Wilson ( <i>zoology</i> ).....1913
*Asa Gray ( <i>botany</i> ).....1871	*Charles W. Eliot ( <i>education</i> ).....1914
*J. Lawrence Smith ( <i>chemistry</i> ).....1872	*W. W. Campbell ( <i>astronomy</i> ).....1915
*Joseph Lovering ( <i>physics</i> ).....1873	*Charles Richard Van Hise ( <i>geology</i> ).....1916
*J. L. LeConte ( <i>entomology</i> ).....1874	*Theodore W. Richards ( <i>chemistry</i> ).....1917
*J. E. Hilgard ( <i>geography</i> ).....1875	*John Merle Coulter ( <i>botany</i> ).....1918
*William B. Rogers ( <i>geology</i> ).....1876	Simon Flexner ( <i>medicine</i> ).....1919
*Simon Newcomb ( <i>astronomy</i> ).....1877	L. O. Howard ( <i>entomology</i> ).....1920
*O. C. Marsh ( <i>geology</i> ).....1878	*E. H. Moore ( <i>mathematics</i> ).....1921
*G. F. Barker ( <i>chemistry</i> ).....1879	*J. Playfair McMurrich ( <i>anatomy</i> ).....1922
*Lewis H. Morgan ( <i>anthropology</i> ).....1880	*Charles D. Walcott ( <i>paleontology</i> ).....1923
*G. J. Brush ( <i>geology</i> ).....1881	J. McKeen Cattell ( <i>psychology</i> ).....1924
*J. W. Dawson ( <i>geology</i> ).....1882	*Michael I. Pupin ( <i>engineering</i> ).....1925
*C. A. Young ( <i>astronomy</i> ).....1883	L. H. Bailey ( <i>horticulture</i> ).....1926
*J. P. Lesley ( <i>geology</i> ).....1884	*Arthur A. Noyes ( <i>chemistry</i> ).....1927
*H. A. Newton ( <i>mathematics</i> ).....1885	*Henry Fairfield Osborn ( <i>paleontology</i> ).....
*Edward S. Morse ( <i>zoology</i> ).....1886	.....1928
*S. P. Langley ( <i>physics</i> ).....1887	Robert A. Millikan ( <i>physics</i> ).....1929
*J. W. Powell ( <i>geology</i> ).....1888	Thomas H. Morgan ( <i>zoology</i> ).....1930
*T. C. Mendenhall ( <i>physics</i> ).....1889	Franz Boas ( <i>anthropology</i> ).....1931
*G. Lincoln Goodale ( <i>botany</i> ).....1890	*John J. Abel ( <i>pharmacology</i> ).....1932
*Albert B. Prescott ( <i>chemistry</i> ).....1891	Henry N. Russell ( <i>astronomy</i> ).....1933
*Joseph LeConte ( <i>geology</i> ).....1892	Edward L. Thorndike ( <i>psychology</i> ).....1934
*William Harkness ( <i>astronomy</i> ).....1893	Karl T. Compton ( <i>physics</i> ).....1935
*Daniel G. Brinton ( <i>anthropology</i> ).....1894	Edwin G. Conklin ( <i>biology</i> ).....1936
*E. W. Morley ( <i>chemistry</i> ).....1895	George D. Birkhoff ( <i>mathematics</i> ).....1937
*Edward D. Cope ( <i>zoology</i> ).....1896	Wesley C. Mitchell ( <i>economics</i> ).....1938
*Theodore Gill ( <i>zoology</i> ) ( <i>successor to Edward D. Cope, deceased.</i> )	Walter B. Cannon ( <i>physiology</i> ).....1939
	Albert F. Blakeslee ( <i>genetics</i> ).....1940

Asterisk denotes person is deceased.

## PERMANENT SECRETARIES

*Spencer F. Baird.....	1851-54
*Joseph Lovering .....	1854-68
*F. W. Putnam.....	1869
*Joseph Lovering .....	1870-73
*F. W. Putnam.....	1873-98
L. O. Howard.....	1898-1920
Burton E. Livingston.....	1920-30
Charles F. Roos.....	1931-32
Henry B. Ward.....	1933-37
F. R. Moulton.....	1937-

## GENERAL SECRETARIES

*Edward L. Nichols.....	1920
D. T. MacDougal.....	1921-24
W. J. Humphreys.....	1925-28
Frank R. Lillie.....	1929-30
Burton E. Livingston.....	1931-34
Otis W. Caldwell.....	1935-

## DIRECTOR OF PRESS SERVICE

Austin H. Clark....	1926-37
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## ASSISTANT SECRETARIES

F. S. Hazard.....	1912-20
Sam Woodley <sup>1</sup> .....	1920-

## TREASURERS

*R. S. Woodward.....	1920-24
John L. Wirt.....	1925-

## DIRECTORS OF EXHIBITS

H. S. Kimberly.....	1925-30
F. C. Brown....	1931-37
Owen Cattell ....	1938-39

## AUDITORS

Herbert A. Gill .....	1920-21
R. B. Sosman. ....	1922-28
A. G. McCall.....	1929-31
W. J. Humphreys .....	1932-

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<sup>1</sup> Executive Assistant, 1920-1939.



ARTICLES OF INCORPORATION  
CONSTITUTION AND BY-LAWS  
AND THE PRESENT  
ORGANIZATION AND OPERATION  
OF THE  
AMERICAN ASSOCIATION  
FOR THE ADVANCEMENT OF SCIENCE

ARTICLES OF INCORPORATION  
OF THE  
AMERICAN ASSOCIATION FOR THE ADVANCEMENT  
OF SCIENCE

COMMONWEALTH OF MASSACHUSETTS

In the Year One Thousand Eight Hundred and Seventy-Four

AN ACT

To Incorporate the "American Association for the Advancement of Science"

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

Section 1. Joseph Henry of Washington, Benjamin Peirce of Cambridge, James D. Dana of New Haven, James Hall of Albany, Alexis Caswell of Providence, Stephen Alexander of Princeton, Isaac Lea of Philadelphia, F. A. P. Barnard of New York, John S. Newberry of Cleveland, B. A. Gould of Cambridge, T. Sterry Hunt of Boston, Asa Gray of Cambridge, J. Lawrence Smith of Louisville, Joseph Lovering of Cambridge, and John LeConte of Philadelphia, their associates, the officers and members of the Association known as the "American Association for the Advancement of Science," and their successors are hereby made a corporation by the name of the "American Association for the Advancement of Science," for the purpose of receiving, purchasing, holding, and conveying real and personal property, which it now is, or hereafter may be possessed of, with all the powers and privileges, and subject to the restrictions, duties and liabilities set forth in the general laws which now or hereafter may be in force and applicable to such corporations.

Section 2. Said corporation may have and hold by purchase, grant, gift, or otherwise, real estate not exceeding two hundred and fifty thousand dollars in value, and personal estate in any amount.\*

Section 3. Any two of the corporators above named are hereby authorized to call the first meeting of the said corporation in the month of August next ensuing, by notice thereof "by mail," to each member of the said Association.

Section 4. This act shall take effect upon its passage.

In Senate, March 17, 1874.

Passed to be enacted,

GEO. B. LORING, President,

Secretary's Department,

Boston, April 3, 1874.

A true copy, Attest :

David Pulsifer,

Deputy Secretary of the Commonwealth.

House of Representatives, March 10, 1874.

Passed to be enacted,

John E. Sanford, Speaker,

March 19, 1874.

Approved,

W. B. WASHBURN.

\*In accordance with amendment by Special Act of Massachusetts Legislature, Chapter 238, approved March 30, 1915.

## THE CONSTITUTION OF THE ASSOCIATION

(Adopted at the Third St. Louis Meeting, December 29, 1919, to January 3, 1920<sup>1</sup>)

## ARTICLE 1—OBJECTS

The objects of the Association are to promote intercourse among those who are cultivating science in different parts of America, to cooperate with other scientific societies and institutions, to give a stronger and more general impulse and more systematic direction to scientific research, and to procure for the labors of scientific men increased facilities and a wider usefulness.

## ARTICLE 2—MEMBERSHIP

Persons willing to cooperate in the work of the Association may be elected to be members by the Council. Members who are professionally engaged in scientific work or who have advanced science by research may be elected to be fellows. *The Council shall fix the admission fees and dues (Dec. 27, 1934).* A member who pays at one time the sum of one hundred dollars to the Association becomes a life member and is exempt from further dues. A person who gives one thousand dollars to the Association may be elected to be a sustaining member and is exempt from further dues.

## ARTICLE 3—OFFICERS

The officers of the Association shall be elected by ballot by the Council, and shall consist of a President, a Vice President from each section, a Permanent Secretary, a General Secretary, a Treasurer and a Secretary of each Section. The President and the Vice Presidents shall be elected for one year, the other officers for four years. The officers shall perform the usual duties of these offices, under the direction of the Council.

## ARTICLE 4—COUNCIL

The Council shall consist of the President, the Vice Presidents, the Permanent Secretary, the General Secretary, the Secretaries of the Sections, and the Treasurer, *the members of the Executive Committee, ex officio, if they are not otherwise members of the Council (Dec. 27, 1923),* of one fellow elected by each *division, affiliated state academy, and (Dec. 27, 1932) affiliated society,* and one additional fellow from each affiliated society having more than 100 members who are fellows of the Association, and of eight fellows, two elected annually by the Council for a term of four years. There shall be an Executive Committee of the Council, consisting of the President, the Permanent Secretary, the General Secretary, and eight members elected by the Council, two annually for a term of four years, who shall be *ex officio* members of the Council. The Council may appoint standing or temporary committees to make reports, to assist in the conduct of the work of the Association and to promote its objects.

## ARTICLE 5—SECTIONS

The Association shall be divided into the following Sections: A, Mathematics; B, Physics; C, Chemistry; D, Astronomy; E, Geology and Geography; F, Zoological

<sup>1</sup> There have been several minor amendments to the Constitution since 1920. The parts that have been amended are printed, as amended, in italics followed by the dates of the amendments in parentheses.

Sciences; G, Botanical Sciences; H, Anthropology; I, Psychology; K, Social and Economic Sciences; L, Historical and Philological Sciences; M, Engineering; N, Medical Sciences; O, Agriculture; *P, Industrial Science (Dec. 28, 1936)*; Q, Education. Members of the Association shall be members of that Section or of those Sections under which their work or their interests fall. Members of the Section shall nominate to the Council a Chairman, who becomes *ex officio* a Vice President of the Association and whose term of office shall be one year, and a Secretary, whose term of office shall be four years. These officers, together with four fellows, one elected annually by the Section for a term of four years, and the representatives on the Council of affiliated societies in the same field shall form a Sectional Committee. This Committee shall arrange the scientific programs of the meetings and may form sub-sections or hold joint meetings with other sections or other societies. It may appoint committees and shall in all ways promote the objects of the Association within its own field.

#### ARTICLE 6—DIVISIONS AND BRANCHES

Regional Divisions and Local Branches of the Association may be formed by vote of the Council. Such Divisions and Branches may elect officers, hold meetings, appoint committees, enter into relations with other societies and promote within their fields the objects of the Association.

#### ARTICLE 7—ASSOCIATED AND AFFILIATED SOCIETIES

National and local scientific societies may, by vote of the Council, become associated with the Association. Those Associated Societies which the Council shall designate as Affiliated Societies shall be represented on the Council and on the Sectional Committees as provided in Articles 4 and 5.

#### ARTICLE 8—MEETINGS

The Association shall hold an annual meeting at such time and place as may be determined by the Council. Other meetings of the Association and of the Sections may be authorized by the Council. The Divisions and the Branches may hold annual and other meetings.

#### ARTICLE 9—PROCEEDINGS

The proceedings of the Association and the list of officers and members shall be published in such manner as the Council may direct.

#### ARTICLE 10—FUNDS

The Permanent Secretary shall collect the annual dues and make expenditures as directed by the Council. The Treasurer shall deposit or invest the permanent funds of the Association, as provided for trust funds by the laws of the state of Massachusetts or the state of New York. Bequests and gifts will be administered in accordance with the provisions of the donors. The payments from sustaining and life members form part of the permanent fund, and the income (after the death of the member) shall be used for research, unless otherwise directed by unanimous vote of the Council or by a majority vote at two consecutive annual meetings.

#### ARTICLE 11—ALTERATION OF THE CONSTITUTION

This Constitution may be amended at a general session by unanimous vote or by a majority vote at two consecutive annual meetings.

BY-LAWS AND RULES OF PROCEDURE OF THE  
ASSOCIATION

(Adopted at the Third St. Louis Meeting, December 29, 1919, to January 3, 1920,  
and in force since January 3, 1920<sup>1</sup>)

## ARTICLE I

The Association is American, its field covering North, Central and South America. Inhabitants of any country are eligible to membership.

## ARTICLE II

*Section 1.* An incorporated scientific society or institution or a public or incorporated library may become a member by vote of the Council.

*Section 2.* Associates, on payment of five dollars, may be admitted to the privileges of a meeting, except voting.

*Section 3.* Foreign associates may be admitted without fee to the privileges of a meeting, except voting.

*Section 4.* *Members who have paid annual dues for fifty years may be excused from further payments and still retain all the privileges of active membership. (April 14, 1935).*

*Section 5.* *Members may be elected by the Council to be fellows of the Association and members so elected shall remain fellows only so long as they retain membership. If a fellow discontinues his membership and subsequently rejoins the Association he shall automatically again become a fellow from the time of rejoining, without another election. Members are eligible to nomination for fellowship if they have contributed to the advancement of science either by the publication of original research or in other significant manner. Nominations for election to fellowship may be made by any three fellows, by the Permanent Secretary or by any Section Secretary, but before being submitted to the Council every nomination shall have been first approved by the section committee in whose field the nominees' scientific work mainly lies. (Dec. 27, 1929).*

*Section 6.* The Council may exclude from the Association any one who has made improper use of his membership or whose membership is regarded as detrimental to the Association.

## ARTICLE III

*Section 1.* The Permanent Secretary, the General Secretary, the Permanent Chairman of the Finance Committee, the Treasurer of the Association and the Secretaries of the Sections shall be elected at the larger convocation week meetings held once in four years beginning the last week of the year 1916. Vacancies in these offices shall be filled by the Council.

*Section 2.* The President of the Association shall give an address at a general session of the Association at the annual meeting following that over which he presided.

*Section 3.* The Vice-Presidents shall hold seniority in the order of their continuous membership in the Association.

*Section 4.* The Permanent Secretary shall attend to the business of the Association, the arrangements for the meetings and such other matters as the Council may designate. He may employ, with the approval of the Council, an Assistant Secretary. The salary of the Permanent Secretary shall be determined by the Council.

<sup>1</sup> There have been several minor amendments to the By-Laws since 1929. The parts that have been amended are printed, as amended, in italics followed by the dates of the amendments in parentheses.

*Section 5.* The General Secretary shall attend to matters connected with the organization of the Association, its relations to the affiliated societies and such other matters as the Council may designate. He shall receive such compensation as may be determined by the Council.

*Section 6.* The Permanent Secretary, the General Secretary and the Treasurer shall present annually to the Council an account of the funds in their charge. These accounts shall be audited by an Auditor elected by the Council. There shall be a Finance Committee of five, including the Permanent Chairman, the Treasurer and three other members elected one each year for a period of three years. The Finance Committee shall give advice in regard to the investment of the funds of the Association. *The Treasurer shall administer bequests and gifts in accordance with the provisions of the donor; and shall sell such securities and properties of the Association and buy such securities and properties for the Association with the permanent funds of the Association and exchange such securities and properties of the Association for such securities and properties as the Finance Committee shall direct by formal vote recorded in its minutes (April 21, 1940).* The Treasurer and the Permanent Secretary and General Secretary shall each present a budget to the Council at the annual meeting.

#### ARTICLE IV

*Section 1.* *The Executive Committee shall have full power to act for the Council when the Council is not in session (Dec. 28, 1925).*

*Section 2.* There shall be a Committee on Grants, appointed by the President, with the advice of the Council, consisting of eight members, two appointed annually for a period of four years, which shall award for scientific research such part of the income from the permanent and special funds of the Association as may be appropriated for that purpose by the Council.

*Section 3.* The following standing committees are authorized: Committee of One Hundred on Scientific Research; Committee on the Jane M. Smith Life Membership Fund.

*Section 4.* A local committee shall be organized by the members resident in the place where a meeting of the Association is held. This committee may appoint an executive committee and other committees and shall make arrangements for the meeting, in cooperation with the Permanent Secretary and the other officers of the Association.

#### ARTICLE V

*Section 1.* The Sectional Committees shall arrange for each annual meeting a program of general scientific interest, occupying usually one or two sessions. The section shall not hold sessions for the reading of special papers when the affiliated society in the same field meets with the Association.

*Section 2.* No member shall take part in the organization or hold office in more than one section at any one meeting. Council representatives of affiliated organizations which are not specially related to any single section of the Association are members of the respective section committees to which their scientific interests are most closely related.

#### ARTICLE VI

*Section 1.* Regional divisions authorized by the Council have full control of their meetings, of their affiliations with other scientific organizations, and of all movements to promote the advancement and diffusion of science in their territory.

*Section 2.* The Pacific Division (organized in 1915) includes members resident in Alaska, British Columbia, Washington, Oregon, California, Idaho, Nevada, Utah, and

the Hawaiian Islands. The Pacific Division is allowed, for its expenses, the entrance fees of new members resident in its region and an additional annual allowance not to exceed one dollar for each of its members in good standing.

*Section 3.* The Southwestern Division (organized in 1920) includes members resident in Arizona, New Mexico, *Colorado* (*Dec. 26, 1922*), Sonora, Chihuahua and Texas west of the 100th meridian (*June 21, 1937*). The Southwestern Division is allowed, for its expenses, the entrance fees of new members resident in its region and an additional annual allowance not to exceed one dollar for each of its members in good standing.

*Section 4.* Affiliated academies of science receive, for their expenses, an annual allowance not to exceed fifty cents for each of their members who is also a member in good standing of the American Association.

## ARTICLE VII

*Section 1.* Affiliated societies having two representatives in the Council and in the Sectional Committees are: (see pages 66-69).

*Section 2.* Affiliated societies having one representative in the Council and in the Sectional Committees are: (see pages 66-69).

*Section 3.* Associated societies are: (see pages 69-70).

## ARTICLE VIII

*Section 1.* A general session of the Association shall usually be held on the first evening of the meeting, and at this session the address of the retiring president shall be given. Other general sessions may be arranged by the Council.

*Section 2.* The Council shall ordinarily meet on the afternoon of the first day of the meeting. It may also meet at such other times as may be decided.

*Section 3.* The Sectional Committees shall ordinarily hold meetings on the morning of the first day of each annual meeting and may hold such other meetings as they may arrange.

*Section 4.* The Executive Committee shall meet on the day preceding the annual meeting and at such other times during the meeting as it may decide. It shall ordinarily hold meetings in the spring and in the autumn.

## ARTICLE IX

*Section 1.* By arrangement with the publishers of *Science* this journal publishes the official notices and proceedings of the Association and is sent to all members in good standing, the sum of \$3 being paid to the publishers of the journal for each member. Members may by request receive *The Scientific Monthly* in place of *Science*. This arrangement may be cancelled by the Council of the Association or by the publishers of the journal, after one year's notice has been given by either party.

## ARTICLE X

*Section 1.* The official year of the Association shall begin on October 1, and the dues of the members are payable on that date. Only members who have paid their dues shall enjoy the privileges of the meetings and receive publications of the Association, but those not longer than two years in arrears for dues are retained on the membership list. Members dropped from membership for non-payment of dues may have their names reinstated by payment of arrearages or may be reelected with payment of the entrance fee. Payment of the entrance fee is omitted for members of affiliated organizations who join the Association before the second annual meeting after the ratification of the affiliation, or before the second annual meeting after their admission to the affiliated organization.

*Section 2.* The Secretaries of the Sections receive, for their expenses incurred in attending the annual meetings, a *per diem* of four dollars for the time spent in travel and at meetings and regular railroad fares, including Pullman, to and from the meetings (April 24, 1938). Hotel rooms for their use at the annual meetings are provided by the Association.

*Section 3.* Members of the Executive Committee receive, for their expenses incurred in attending the annual meetings, a *per diem* allowance of four dollars and the regular railroad fares, including Pullman, to and from the meeting (April 24, 1938). Hotel rooms for their use at the annual meetings are provided by the Association. Members of the Executive Committee attending special meetings of the Committee receive, for their expenses, a *per diem* allowance of six dollars a day and a mileage allowance of five cents a mile for the round trip.

#### ARTICLE XI

These By-Laws and Rules of Procedure may be amended by vote of the Council.

## OFFICIALLY ASSOCIATED SOCIETIES

### AFFILIATED SOCIETIES<sup>1</sup>

#### SECTION ON MATHEMATICS

Mathematical Association of America (2).<sup>2</sup> Dec. 29, 1920.

American Mathematical Society (2). Dec. 29, 1920.

Association for Symbolic Logic (1). Oct. 30, 1937.

#### SECTION ON PHYSICS

Optical Society of America (2). Before 1920.

American Physical Society (2). Before 1920.

American Association of Physics Teachers (2). Oct. 25, 1931.

Acoustical Society of America (1). April 26, 1931.

American Meteorological Society (1). Before 1920.

Society of Rheology (1). April 26, 1931.

#### SECTION ON CHEMISTRY

American Chemical Society (2). Before 1920.

American Electrochemical Society (2). April 27, 1924.

American Oil Chemists' Society (1). April 25, 1926.

#### SECTION ON ASTRONOMY

American Astronomical Society (2). Before 1920.

Astronomical Society of the Pacific (1). Dec. 30, 1925.

The Society for Research on Meteorites (1). Associated April 14, 1935; affiliated Dec. 30, 1938.

#### SECTION ON GEOLOGY AND GEOGRAPHY

Association of American Geographers (2). Before 1920.

American Geographical Society of New York (2). April 24, 1921.

Geological Society of America (2). Before 1920.

Paleontological Society (2). April 27, 1924.

Seismological Society of America (2). Before 1920.

Mineralogical Society of America (1). April 27, 1924.

#### SECTION ON ZOOLOGICAL SCIENCES

American Association of Economic Entomologists (2). Before 1920.

<sup>1</sup> Dates of affiliation subsequent to 1920 follow the names of the respective societies; previous to 1920 dates of affiliation were not recorded.

<sup>2</sup> Numbers in parentheses are the numbers of representatives the respective societies have on the Council of the Association.

Entomological Society of America (2).  
*Before 1920.*

Association for Research in Human Heredity, Inc.<sup>1</sup> (2). *Before 1920.*

American Society of Mammalogists (2).  
*Nov. 20, 1921.*

American Society of Parasitologists (2).  
*April 26, 1925.*

American Society of Zoologists (2). *Before 1920.*

#### SECTION ON BOTANICAL SCIENCES

Botanical Society of America (2). *Before 1920.*

American Phytopathological Society (2).  
*Before 1920.*

American Society of Plant Physiologists (2). *Oct. 12, 1924.*

Torrey Botanical Club (2). *April 24, 1927.*

Mycological Society of America (2).  
*June 18, 1934.*

#### SOCIETIES RELATED TO BOTH ZOOLOGICAL AND BOTANICAL SCIENCES

Ecological Society of America (2). *Before 1920.*

American Genetic Association (2). *Before 1920.*

Genetics Society of America (2). *April 24, 1932.*

American Microscopical Society (2). *Before 1920.*

American Society of Naturalists (2). *Before 1920.*

Western Society of Naturalists (2). *Oct. 21, 1928.*

Federation of American Societies for Experimental Biology (2). *April 19, 1936.*

Linnological Society of America (1).  
*Oct. 27, 1935.*

#### SECTION ON ANTHROPOLOGY

American Anthropological Association (2). *Before 1920.*

#### SECTION ON PSYCHOLOGY

American Psychological Association (2).  
*Before 1920.*

Midwestern Psychological Association (1). *June 16, 1931.*

<sup>1</sup> Formerly Eugenics Research Association.

Society for Research in Child Development (1). *April 14, 1935.*

The Psychometric Society (1). *April 17, 1937.*

#### SECTION ON SOCIAL AND ECONOMIC SCIENCES

Econometric Society (1). *Oct. 25, 1931.*

American Sociological Society (1). *Associated before 1920; affiliated April 24, 1932.*

American Statistical Association (1). *Associated before 1920; affiliated April 25, 1931.*

#### SECTION ON HISTORICAL AND PHILOLOGICAL SCIENCES

History of Science Society (2). *April 26, 1925.*

Linguistic Society of America (1). *Oct. 17, 1926.*

#### SECTION ON ENGINEERING

American Society of Civil Engineers (2).  
*Before 1920.*

American Institute of Electrical Engineers (2). *Before 1920.*

Illuminating Engineering Society (2).  
*Before 1920.*

American Society of Mechanical Engineers (2). *Before 1920.*

American Institute of Mining and Metallurgical Engineers (2). *Before 1920.*

Society for the Promotion of Engineering Education (2). *June 19, 1933.*

The American Ceramic Society (1). *Associated Nov. 20, 1921; affiliated April 27, 1924.*

The Institute of Radio Engineers (1).  
*Oct. 25, 1925.*

American Society for Testing Materials (1). *April 24, 1921.*

The Institute of Aeronautical Sciences (1). *April 14, 1935.*

#### SECTION ON MEDICAL SCIENCES

American Association of Anatomists (2).  
*Before 1920.*

Society of American Bacteriologists (2).  
*Before 1920.*

- American Medical Association (2). *Before 1920.*
- Society for Experimental Biology and Medicine (2). *Oct. 17, 1927.*
- American Public Health Association (2). *April 27, 1924.*
- American Pharmaceutical Association (2). *Dec. 30, 1925.*
- American Society for Experimental Pathology (2). *Associated before 1920; affiliated April 19, 1936.*
- American Society of Biological Chemists (2). *Associated before 1920; affiliated April 19, 1936.*
- American Physiological Society (2). *April 19, 1936.*
- American Society for Pharmacology and Experimental Therapeutics (2). *April 19, 1936.*
- American Society of Tropical Medicine (2). *Dec. 30, 1939.*
- American Roentgen Ray Society (1). *Oct. 20, 1929.*
- American Veterinary Medical Association (1). *April 25, 1926.*
- American Academy of Tropical Medicine (1). *June 24, 1935.*
- American Division, International Association for Dental Research (1). *April 14, 1935.*
- American Academy of Ophthalmology and Otolaryngology (1). *April 19, 1936.*
- American Psychiatric Association (1). *Oct. 25, 1936.*
- National Malaria Committee (1). *Dec. 30, 1939.*

## SECTION ON AGRICULTURE

- American Society of Agronomy (2). *April 24, 1921.*
- American Society for Horticultural Science (2). *Before 1920.*
- Society of American Foresters (2). *Before 1920.*
- Canadian Society of Technical Agriculturists (1). *April 23, 1922.*
- American Society of Animal Production (1). *April 27, 1924.*

## SECTION ON EDUCATION

- National Society of College Teachers of Education (2). *Before 1920.*
- National Education Association (2). *April 27, 1924.*
- National Society for the Study of Education (2). *Before 1920.*
- American Philosophical Association (1). *Associated before 1920; affiliated Dec., 31, 1936.*

## GENERAL SOCIETIES

- United Chapters of Phi Beta Kappa (2). *Dec. 27, 1928.*
- Honor Society of Phi Kappa Phi (2). *April 26, 1925.*
- Society of the Sigma Xi (2). *Before 1920.*
- American Association of University Professors (2). *Nov. 8, 1922.*
- Sigma Delta Epsilon Graduate Women's Scientific Fraternity (2). *Associated January 2, 1936; affiliated April 23, 1939.*
- American Library Association (1). *April 22, 1928.*
- American Nature Study Society (1). *Oct. 27, 1926.*

## ACADEMIES OF SCIENCE

- Alabama Academy of Science (1). *April 25, 1926.*
- The American Institute of the City of New York (1). *Dec. 27, 1938.*
- British Columbia Academy of Sciences (1). *June 30, 1938.*
- Colorado-Wyoming Academy of Science (1). *Dec. 26, 1927.*
- Florida Academy of Sciences (1). *Oct. 25, 1936.*
- Georgia Academy of Science (1). *April 26, 1925.*
- Illinois State Academy of Science (1). *April 26, 1925.*
- Indiana Academy of Science (1). *April 26, 1925.*
- Iowa Academy of Science (1). *Before 1920.*
- Kansas Academy of Science (1). *Before 1920.*

- Kentucky Academy of Science (1). *Before 1920.*
- Louisiana Academy of Science (1). *Dec. 29, 1933.*
- Maryland Academy of Sciences (1). *April 24, 1921.*
- Michigan Academy of Science (1). *Dec. 27, 1920.*
- Minnesota Academy of Science (1). *Oct. 16, 1933.*
- Mississippi Academy of Science (1). *June 19, 1939.*
- Missouri Academy of Science (1). *April 13, 1935.*
- Nebraska Academy of Science (1). *Before 1920.*
- New Hampshire Academy of Science (1). *Dec. 30, 1925.*
- New Orleans Academy of Science (1). *Before 1920.*
- North Carolina Academy of Science (1). *April 24, 1921.*
- North Dakota Academy of Science (1). *April 26, 1925.*
- Northwest Scientific Association (1). *April 25, 1931.*
- Ohio Academy of Science (1). *Before 1920.*
- Oklahoma Academy of Science (1). *Dec. 27, 1920.*
- Pennsylvania Academy of Science (1). *April 25, 1926.*
- Academy of Science of St. Louis (1). *Sept. 17, 1930.*
- South Carolina Academy of Science (1). *Oct. 17, 1927.*
- Tennessee Academy of Science (1). *Dec. 30, 1925.*
- Texas Academy of Science (1). *April 27, 1930.*
- Virginia Academy of Science (1). *April 26, 1925.*
- West Virginia Academy of Science (1). *Dec. 30, 1925.*
- Wisconsin Academy of Sciences, Arts, and Letters (1). *Before 1920.*

## ASSOCIATED SOCIETIES

## SECTION ON PHYSICS

Sigma Pi Sigma. *Jan. 2, 1936.*

## SECTION ON CHEMISTRY

American Institute of Chemical Engineers. *Before 1920.*

Phi Lambda Upsilon. *June 21, 1933.*

Alpha Chi Sigma Fraternity. *Oct. 27, 1935.*

## SECTION ON GEOLOGY AND GEOGRAPHY

National Council of Geography Teachers. *Before 1920.*

American Alpine Club. *Before 1920.*

## SECTION ON ZOOLOGICAL SCIENCES

Wilson Ornithological Club. *Before 1920.*

## SECTION ON BOTANICAL SCIENCES

American Fern Society. *Before 1920.*

Sullivant Moss Society. *Before 1920.*

American Society of Plant Taxonomists. *Dec. 30, 1939.*

## SOCIETIES RELATED TO BOTH ZOOLOGICAL AND BOTANICAL SCIENCES

Phi Sigma Society. *Oct. 25, 1925.*

National Association of Biology Teachers. *April 23, 1939.*

## SECTION ON ANTHROPOLOGY

Archaeological Institute of America. *Before 1920.*

American Folk-Lore Society. *Before 1920.*

## SECTION ON PSYCHOLOGY

Southern Society for Philosophy and Psychology. *Before 1920.*

## SECTION ON SOCIAL AND ECONOMIC SCIENCES

American Planning and Civic Association. *Before 1920.*

American Economic Association. *Before 1920.*

Metric Association. *Before 1920.*

## SECTION ON ENGINEERING

- American Society of Heating and Ventilating Engineers. *Before 1920.*  
 American Society of Refrigerating Engineers. *Before 1920.*  
 Western Society of Engineers. *Dec. 26, 1932.*  
 American Society of Photogrammetry. *April 19, 1936.*  
 American Society of Agricultural Engineers. *Dec. 30, 1939.*

## SECTION ON MEDICAL SCIENCES

- American Dental Association. *Oct. 15, 1932.*  
 American College of Dentists. *April 26, 1931.*  
 American Association of Dental Schools. *Oct. 15, 1932.*  
 American Association of Colleges of Pharmacy. *April 14, 1935.*  
 American Dietetic Association. *June 24, 1925.*  
 Alpha Epsilon Delta Premedical Fraternity. *Oct. 25, 1936.*

## SECTION ON AGRICULTURE

- Potato Association of America. *April 22, 1923.*  
 American Dairy Science Association. *Before 1920.*

- Association of Official Seed Analysts. *Before 1920.*  
 American Pomological Society. *Before 1920.*  
 Gamma Sigma Delta (Honor Society of Agriculture). *Before 1920.*  
 Xi Sigma Pi. *Sept. 17, 1930.*

## SECTION ON EDUCATION

- The Canadian Teachers' Federation. *April 23, 1939.*  
 Kappa Delta Pi. *Dec. 30, 1929.*  
 Phi Delta Kappa Fraternity. *Nov. 20, 1921.*  
 Pi Lambda Theta. *June 21, 1932.*

## GENERAL SOCIETIES

- Bibliographical Society of America. *Before 1920.*  
 American College Personnel Association. *April 26, 1931.*  
 Pi Gamma Mu. *Dec. 28, 1931.*  
 Gamma Alpha Graduate Scientific Fraternity. *Oct. 25, 1925.*  
 Chi Beta Phi Scientific Association. *Oct. 27, 1935.*  
 American Science Teachers Association. *Dec. 28, 1936.*  
 The Wildlife Society. *Dec. 30, 1937.*  
 Research Council on Problems of Alcohol. *Dec. 30, 1937.*

## ORGANIZATION AND OPERATION OF THE ASSOCIATION

### HISTORY OF THE CONSTITUTION

When the Association was organized in 1848 it adopted and began operations under "Objects and Rules of the Association," consisting of a statement of "Objects" and 20 "Rules" that had been drawn up and presented by a committee appointed for the purpose the preceding year. The "Objects" were almost identical with Article 1 of the present constitution. The supreme power of the Association was vested in the Standing Committee, consisting of the general officers, the chairmen and secretaries of the sections and six other elected members. The annual dues of one dollar per year entitled each member to a copy of the Proceedings of the Association. One of the duties of the Local Committee in each city in which the Association met was to provide funds for paying for publishing the Proceedings of the meeting.

In 1851 the "Objects and Rules" became a "Constitution" with two amendments, one providing for dropping members who were in arrears on their dues for two years and the other raising the annual dues to two dollars.

In 1856 a new draft of the Constitution was adopted. There were no By-Laws but certain actions of the Standing Committee were carried under the heading, "Resolutions of a Permanent and Prospective Character."

After discussions extending over two years a completely revised constitution of 38 articles was adopted in 1874. The committee reporting on the provisions of the new constitution said, "The constitutional troubles, which for many years have often caused the meetings to assume the temporary character of a parliamentary body, have finally been disposed of . . ." The annual dues of members were increased from two to three dollars.

In 1874 the Association was incorporated under the laws of the Commonwealth of Massachusetts. The articles of incorporation gave the Association the right of "receiving, purchasing, holding, and conveying real and personal property, which it now is, or hereafter may be possessed of, with all powers and privileges, and subject to the restrictions, duties and liabilities set forth in the general laws which now or hereafter may be in force and applicable to such corporations."

The Constitution of the Association was amended in 1881, 1886 and 1887. In 1887 the Standing Committee was changed to the Council. Occasionally minor amendments to the Constitution were adopted, and several were made in 1899.

Important amendments to the Constitution adopted in 1903 increased the Council by including in its membership the presidents and vice presidents of the two preceding years, the other general officers, 9 fellows elected by the Council, three each year for a term of three years and one fellow elected by each affiliated society having more than 25 members who were members of the Association. The term of office of the Permanent Secretary, the Treasurer and secretaries of the sections was 5 years. At this time the Constitution contained 39 articles.

There was no thorough revision of the Constitution of the Association from 1874 to 1920, a period of 46 years. In this interval the membership of the Association had increased from 722 to 11,547. Affiliated and associated societies had been provided for in 1899. In 1920 there were 41 affiliated societies, 12 affiliated academies of science and 40 associated societies. Under these greatly changed conditions a revised and simplified constitution became imperative. In 1917 a committee consisting of J. McKeen Cattell, H. L. Fairchild and D. T. MacDougal was appointed to make a radical revision of the Constitution. The report of the committee was presented and adopted in 1920. The Constitution consisted of only 11 articles and of 11 By-Laws defining rules of procedure subject to amendment by vote of the Council. This Constitution, except for minor amendments indicated by italics as it is printed on pages 61 and 62, is in effect at the present time.

The constitution adopted in 1920 increased the annual dues of members from three to five dollars.

#### CLASSES OF MEMBERS

There are six classes of members: sustaining members, life members, emeritus life members, emeritus annual members, fifty-year members, and annual members; in addition, there are honorary British Association members and honorary junior members.

*Sustaining members* are members who have given to the Association one thousand dollars; they are exempt from annual dues. The payments received by the Association from sustaining members form part of the permanent fund of the Association, the income of which is used for research. Sustaining members have all the privileges of annual members. For the complete list of sustaining members see page 203.

*Life members* are members who have paid to the Association one hundred dollars at one time; they also are exempt from annual dues. Payments received from life members become (after their respective deaths) part of the permanent fund of the Association, the income from which is used for research. Life members have all the privileges of annual members. For the complete list of life members see page 203.

*Emeritus life members* are members whose life membership payment has

been made, by direction of the Council, from income of the Jane M. Smith endowment for this purpose. Usually emeritus life members are chosen by the Council from the members who have had longest continuous membership in the Association. Emeritus life members are exempt from the payment of annual dues and have all the privileges of annual members. For the complete list of emeritus life members see page 210.

*Emeritus annual members* are members, usually chosen from among those of longest continuous membership in the Association, whose dues have been paid by direction of the Council from the income of the Luella A. Owen fund. Emeritus annual members have all the privileges of annual members.

*Fifty-year members* are members who have paid annual dues for 50 years and have been excused from further payments. For the list of 50-year members see page 212.

*Annual members* are members who pay annual dues. For the complete list of all persons who have been members at any time between June 1, 1934, and July 1, 1940, see page 217.

*Fellows* are members of any class who have been elected to fellowship by the Council of the Association in recognition of their having contributed to the advancement of science by the publication of original research or in other significant manner. Before a member is eligible for election as a fellow he must have been nominated by three fellows, the Permanent Secretary or a Section Secretary or a Section Committee, and approved by the Section Committee in whose field his work mainly lies.

All of the foregoing members receive with their membership a subscription to either *Science* or *The Scientific Monthly* for each calendar year of their membership.

*Honorary British Association members* are officers and members of the Council of the British Association elected to membership for one year by the Council of the Association under the arrangement between the British Association for the Advancement of Science and the American Association for the Advancement of Science for reciprocal British and American Association lectures on alternate years. These members pay no dues. They receive the general programs, preliminary announcements and reports of the meetings of the Association, but they do not receive subscriptions to *Science* or *The Scientific Monthly*. For a complete list of Honorary British Association members see page 213.

*Honorary junior members* are boys and girls, nominated by the affiliated academies of science, who have been elected by the Council of the Association to honorary junior membership for one year. Each affiliated academy is entitled to nominate only one boy and one girl each year from the junior academy or junior science clubs of its territory. Honorary junior members pay no dues. They receive certificates of membership, general programs,

preliminary announcements and reports of the meetings of the Association and a subscription to *Science News Letter* during the year of their membership. For a complete list of honorary junior members see page 214.

#### ANNUAL DUES OF MEMBERS

The annual dues of annual members and fellows are \$5 per year, payable in advance. Of these dues, \$3 pays for a subscription to either *Science* or *The Scientific Monthly*. The fiscal year of the Association is from October 1 to September 30. The subscription to *Science* or *The Scientific Monthly* going with each membership is for the calendar year beginning three months after the membership year beginning on October 1. New volumes of both *Science* and *The Scientific Monthly* begin with the calendar year.

Of the dues paid by each member of the Pacific Division and the Southwestern Division, \$1 goes to the respective division for office expenses.

#### THE COUNCIL

The control of the Association, including the election of officers, the election of members and fellows, the determining of places and dates of meetings, the establishing of policies and the appropriation of funds, is vested in the Council of the Association.

*The Council* consists of the President, the Vice Presidents, the Permanent Secretary, the General Secretary, the secretaries of the Sections, the Treasurer, the members of the Executive Committee, a representative from each of the two divisions of the Association, eight fellows, two of whom are elected annually by the Council for a term of four years, two from each affiliated society having more than 100 members who are fellows of the Association, and one from each of the other affiliated societies and from each affiliated academy of science. There are members of the Council representing every major field of science and interest of the Association. The great majority of the members of the Council are elected by the sections and affiliated societies which are entirely independent of the Executive Committee and the general officers of the Association. It would be difficult to lodge the power of an organization having more than 21,000 members in a more representative and democratically elected body than the Council.

The scientific interests of the general officers, the Executive Committee, the eight elected members of the Council, the representatives of the divisions of the Association, the representatives of such general organizations as American Association of University Professors, and the representatives of the affiliated academies of science cannot be given any fixed distribution among the sciences because they vary from time to time. There are 66 such members of the Council, and there are 174 others whose interests are distributed among the major scientific fields as follows: mathematics, 7;

physics, 11; chemistry, 7; astronomy, 6; geology and geography, 13; zoology, 14; botany, 12, both zoology and botany, 15; anthropology, 4; psychology, 7; social and economic sciences, 5; historical and philological sciences, 5; engineering, 18; medical sciences, 31; agriculture, 10, and education, 9. The total number of members of the Council on January 1, 1940 was 240.

All of the 21,150 members of the Association, except 471, have been recorded, at their request, as desiring affiliation with one or more of the 15 sections. It may be interesting to measure the correspondence between the number of members interested in the various scientific fields and their representation on the Council. The numbers of representatives on the Council for the various sections for each 1000 members affiliated with the respective sections are as follows: Mathematics, 4.3; physics, 3.1; chemistry, 1.3; astronomy, 7; geology and geography, 6.3; zoology, 5.1; botany, 5.4; anthropology, 4; psychology, 3.6; social and economic sciences, 6.0; historical and philological sciences, 11.5; engineering, 6; medical sciences, 5.2; agriculture, 5.1; education, 4.5.

#### ELECTION OF THE PRESIDENT

Perhaps nothing shows better the democratic organization and operation of the Association than the election of its presidents. In July the office of the Permanent Secretary sends to each member of the Council a preliminary nomination ballot. There are on it the names of the past presidents for the preceding 20 years and the field in which each of them was distinguished. About 15 of the names receiving the greatest number of votes in the preliminary ballot by the Council are included on the nomination ballot sent out to the entire membership of the Association on October 1, and also the names of the presidents for the preceding 20 years. The members are advised that they may make nominations other than those made by the Council.

At the election of the president by the Council at the annual meeting in December the names of from 10 to 15 persons receiving the greatest number of votes on the ballots returned from the entire membership are placed on the blackboard in alphabetical order. The president calls for nominations from the floor. Then the Council proceeds to the election by ballot of a president of the Association for the following year.

#### THE EXECUTIVE COMMITTEE

The Constitution of the Association provides for an Executive Committee of the Council for two reasons: (1) It is sometimes necessary to transact business of the Association between meetings of the Council (it meets only at meetings of the Association), and (2) it is practically necessary to have a smaller group than the entire Council of nearly 250 members for intensive study of the problems of the Association. For the first of these reasons the

Executive Committee holds two interim meetings each year, one in April and one in October. An example of the problems that the Council refers to the Executive Committee with full power of decision is that of determining which of the symposia presented at meetings of the Association and offered for publication shall be accepted. In nearly all cases the Executive Committee refers to the Council the questions it has studied, with recommendations; in exceptional cases in which prompt decisions are necessary the Executive Committee acts and reports its actions to the Council.

### THE SECTIONS

The scientific programs of the meetings of the Association are largely organized under 15 sections in cooperation with the affiliated and associated societies. Each section has a Chairman, who is a vice president of the Association for the section, with a term of office of one year, a Secretary, with a term of office of four years, and a Section Committee, consisting of four fellows, one of whom is elected each year by the section committee for a term of four years, and the representatives on the Council from the affiliated societies whose chief interests are in the field of the section.

The vice president for each section delivers a formal vice presidential address, usually at the meeting at which his term of office expires, on some subject of wide interest in the field of the section. The addresses of the vice presidents are generally published in *Science* and are referred to with titles and places of publication in the Summarized Proceedings.

The secretaries as chief administrative officers of the sections have burdensome and important responsibilities, among which are the planning of programs at the meetings of the Association, generally in cooperation with the officers of several affiliated societies. Many of the programs of sections and their cooperating affiliated societies contain more papers than any entire program of the Association for the first 50 years of its existence. The section secretaries also arrange for the voting of the section committees, or the members of the sections, on nominations of vice presidents, nominations of section committeemen, nominations of fellows, election of committees and other special representatives. In order to provide an easy opportunity for interchanges of ideas between secretaries and for conferences respecting the problems arising in the operations of the sections, a Secretaries Conference is held at each annual meeting of the Association. This conference follows a dinner and is attended by the members of the Executive Committee.

### DIVISIONS OF THE ASSOCIATION

It is costly for members of the Association living on the Pacific Slope or in the southwestern mountain states to attend meetings of the Association held on the Eastern Seaboard or even in the Mississippi Valley. Yet meet-

ings of the Association must generally be held in the populous regions east of the Rocky Mountains. Moreover, the rapid increase in scientific research and membership of the Association made it advisable to hold more than one meeting each year. These considerations led to the establishment of the Pacific Division in 1915 and of the Southwestern Division in 1920.

Members of the Association on the Pacific Slope, about 1000 in number, had found it advantageous to hold meetings under what was called the "Pacific Coast Committee of the American Association for the Advancement of Science," which was organized in 1913. At the meeting of the Association held in San Francisco in August, 1915, the Pacific Division was formally established by the Council and held its first meeting at San Diego in August, 1916. (See By-Laws, Article VI, Section 2, for the territory of the Pacific Division.)

On April 26, 1920, the Executive Committee of the Association approved the organization of the Southwestern Division that had been tentatively made at a meeting of delegates held in Tucson, Arizona, on April 10. (See By-Laws, Article VI, Section 3, for the territory of the Southwestern Division.) The Southwestern Division held its first meeting at El Paso, Texas, on April 30, 1920.

The divisions of the Association are entirely autonomous, under the provisions of the Constitution. They elect their own officers, determine the places and times of their meetings, arrange their programs, and publish preliminary announcements and reports of their meetings. Occasionally the two divisions hold joint meetings, and at times the Association holds a joint meeting with one or both of them. The members of the Pacific and Southwestern Divisions have one member each on the Council of the Association and participate in its elections, but the reverse is not true. This close co-operation under complete freedom is admirably fulfilling the purpose of the Association, the advancement of science.

The membership records of members resident in the territories of the Pacific and Southwestern divisions are kept in the office of the Permanent Secretary, the annual dues of these members are collected by the Permanent Secretary, their journals are ordered from the office of the Permanent Secretary, and all communications to them concerning the Association as a whole are sent out from the office of the Permanent Secretary. But the offices of the divisions have their own expenses which are provided for by an allowance of \$1 for each of their annual members from the funds of the office of the Permanent Secretary.

#### LOCAL BRANCHES

At the meeting held in Atlanta, Ga., December, 1913—January, 1914, the Council authorized "the establishment of local branches in places where the

members are prepared to conduct organizations that will forward the objects of the Association." Branches with varying degrees of success have been organized at seven places. The following organizations have functioned as branches: South Florida Science Association, Lancaster (Pa.) Branch (nearly 1000 members), Mobile (Ala.) Academy of Science, Phoenix (Ariz.) Local Branch, Plattsburg (N. Y.) Branch, Southern Rhode Island Branch, and Westchester (N. Y.) Institute of Sciences.

#### AFFILIATED AND ASSOCIATED SOCIETIES

In 1899 the Constitution of the Association first referred to "Affiliated Societies," which were defined as scientific societies meeting contemporaneously with the Association and which were recognized by vote of the Council as Affiliated Societies. The number of affiliated and associated societies has steadily increased to 174 on July 1, 1940.

Affiliated and associated societies are societies whose purposes, organizations and activities have been approved by the Council by admitting them into one of these relationships with the Association. Affiliated and associated societies pay no entrance fees or dues and are invited to hold their meetings simultaneously with, and in cooperation with, the meetings of the Association. When affiliated and associated societies meet with the Association, the office of the Permanent Secretary arranges for their headquarters, meeting rooms and necessary equipment. The outstanding features of their programs are included in the preliminary announcements of the meetings of the Association and the Permanent Secretary's reports of the meetings that are published in *Science*. The complete programs of their meetings are included in the General Programs of the meetings of the Association.

The only practical difference between the relationship of an affiliated society and an associated society with the Association is that the former has representation on the Council and the latter does not. If an affiliated society has more than 100 members who are fellows of the Association, it has two representatives on the Council; otherwise it has only one.

Associated and affiliated societies whose interests are limited to a recognized field of science cooperate with the corresponding sections of the Association, and their representatives on the Council are *ex officio* members of their Section Committees. For example, the American Physical Society cooperates with the Section on Physics. It is the policy of the Association for its sections to cooperate, rather than compete, with their related affiliated and associated societies. Some sections hold only one or two sessions of invited papers by eminent specialists in their fields, leaving the major part of the programs to the affiliated and associated societies.

There are some affiliated societies, such as the Society of the Sigma Xi, whose interests are not limited to special fields. Their representatives on the

Council are assigned to the section committees of the sections in whose fields the representatives' chief interests lie.

The steps to be taken by a society to become an affiliated or associated society are: First its secretary files with the Permanent Secretary an application for the relationship, a copy of its constitution and by-laws, a list of its members and a copy of its publication, if it has any; then the application and accompanying data are presented by the Permanent Secretary to the Executive Committee, which makes its recommendation to the Council.

## FINANCES

Article 10 of the Constitution separates the finances of the Association into two parts, one under the control of the Treasurer and the other under the control of the Permanent Secretary. The Treasurer has charge of the permanent funds of the Association, such as endowments for support of research, general funds and bequests for special purposes, such as the Jane M. Smith fund for emeritus life members, fees of sustaining and life members (after their death) and reserves that may be set up by authority of the Council. The Treasurer disburses the income from the funds in his charge in accordance with previously submitted budgets that have been approved by the Council.

The Permanent Secretary collects dues from members, moneys due the Association from the sale of publications, such as summarized proceedings and symposia, interest on bank deposits, registration fees at meetings of the Association, rentals of booths at the annual science exhibitions, and gifts from members for general purposes. The Permanent Secretary also administers funds given as grants for the support of specific researches, such as science in education on the college level. Nearly all of the receipts of the office of the Permanent Secretary are from the dues of annual members. Since three dollars of the annual membership dues of five dollars are used to pay for the subscription to *Science* or *The Scientific Monthly*, by far the largest disbursements from the office of the Permanent Secretary are for journal subscriptions for members. The next largest item of expenditure by the office of the Permanent Secretary is for salaries of the office force and operating expenses of the office, including such items as postage, office equipment and supplies, and telephone and telegraph. The final large item of expense borne by the office of the Permanent Secretary is that of the meetings of the Association. The Association assumes all general expenses of its meetings, including both those of its own sections and those of the affiliated and associated societies that meet with it. All collections and disbursements of moneys by the Permanent Secretary are in accordance with previously submitted budgets that have been approved by the Council.

The following table gives the principal items of receipts and disbursements by the Treasurer for the years 1934-1939, inclusive:

## FROM THE TREASURER'S REPORT

<i>Fiscal year</i>	<i>Interest</i> <sup>1</sup>	<i>Research</i> <sup>2</sup>	<i>Academies</i> <sup>3</sup>	<i>Journals</i> <sup>4</sup>	<i>Prize</i> <sup>5</sup>
1933-4	\$8,530.98	\$1,870		\$1,536	\$1,000
1934-5	8,273.89	2,950	\$50	1,506	1,000
1935-6	8,195.04	3,000	2,500	1,506	1,000
1936-7	7,736.66	4,000	2,765	1,581	1,000
1937-8	7,252.60	2,725	2,035	1,686	1,000
1938-9	7,403.27	2,000	2,615	1,668	1,000

<sup>1</sup> Interest received only from Endowment for Research and General Funds.

<sup>2</sup> Grants in aid of research recommended by the Grants Committee and approved by the Council.

<sup>3</sup> Grants to the affiliated academies for use in aid of research, the amount available being approximately 50 cents per year for each member of an affiliated academy who is a member of the Association.

<sup>4</sup> Amounts paid for subscriptions to *Science* or *The Scientific Monthly* for life members and fifty-year members.

<sup>5</sup> Annual Thousand Dollar Prize to the person who has been recommended by the Prize Committee and approved by the Council as the recipient of the prize for a paper presented at the annual meeting of the Association. The funds for the Thousand Dollar Prize are provided by an anonymous friend of the Association.

The following table gives the principal items of income and the principal items of expense of the office of the Permanent Secretary for the years 1934-1939, inclusive:

## FROM THE PERMANENT SECRETARY'S REPORTS

<i>Fiscal year</i>	<i>Dues</i> <sup>1</sup>	<i>Journals</i> <sup>2</sup>	<i>Office</i> <sup>3</sup>	<i>Circular-ization</i> <sup>4</sup>	<i>Meetings Expense</i> <sup>5</sup>	<i>Registration</i> <sup>6</sup>	<i>Divisions</i> <sup>7</sup>
1933-4	\$81,848	\$50,116	\$19,852	\$2923	\$9194	\$2297	\$2133
1934-5	81,766	50,425	20,051	3650	8492	3188	2210
1935-6	84,288	51,776	21,222	3925	9492	2702	2275
1936-7	84,316	52,083	20,138	3176	9864	3149	2264
1937-8	88,284	54,614	23,971	3096	7799	3926	2358
1938-9	93,804	57,922	25,349	5485	7752	2786	2256

<sup>1</sup> Annual dues of members and entrance fees.

<sup>2</sup> Subscriptions to *Science* and *The Scientific Monthly* for members

<sup>3</sup> Salaries, postage, equipment, supplies, telephone, etc.

<sup>4</sup> Expense of circular letters inviting persons to become members of the Association.

<sup>5</sup> Total expense to the Association of the meetings for the respective years.

<sup>6</sup> Money received from registrants, one dollar each, at the meetings; available to apply against expense of meetings.

<sup>7</sup> The Pacific Division and the Southwestern Divisions are allowed one dollar per member each year for office expenses.

## MEETINGS OF THE ASSOCIATION

With few exceptions the annual meetings of the Association from its founding in 1848 to the year 1902 were held in August. Apparently one of the reasons for the choice was that university and college men were on vacation at that time of the year. But after the opening of The University of Chicago in 1893 summer sessions in universities rapidly became common and the vacation consideration lost its importance. Moreover, the American Society of Naturalists and a related group of scientific societies were holding meetings in the Christmas holidays. On the recommendation of a com-

mittee, of which Charles S. Minot was chairman, the annual meeting at Pittsburgh in June-July, 1902, was followed by a meeting in Washington in December, 1902—January, 1903. Since that year all annual meetings of the Association have been held during Convocation Week.

In 1922 a committee, of which J. McKeen Cattell was chairman, made a thorough study of the whole problem of meetings and recommended that a twelve-year cycle be adopted. Under this plan major meetings were to be held cyclically in four-year intervals in Washington, New York and Chicago; in mid-periods in large cities in succession in New England, the Central States and the Middle Atlantic States. It was also recommended that a summer meeting be held in 1923.

The recommendations were adopted by the Council and a joint meeting with the Pacific Division and the Southwestern Division was held in Los Angeles in September, 1923, just before the total eclipse of the sun of that year, the track of which passed across Southern California. A summer meeting was held in 1925, a joint meeting with the Southwestern Division at Boulder, Colorado, but no other summer meeting was scheduled until 1931, when a joint meeting with the Pacific Division was held at Pasadena, California. Since 1931 the Association has held a summer meeting each year. Two summer meetings are scheduled for 1941, one at Durham, N. H., in June and one at Chicago in September.

Various considerations enter into the choosing of places for meetings of the Association. Perhaps the primary one is that they should be distributed widely over the country. Another is that they should be held in or near large centers of scientific interests. They must be held where facilities are adequate and reasonably concentrated. This is not a light requirement, for at the winter meetings there must be available at one time for the sessions of the Association sections and of the affiliated and associated societies at least 60 meeting rooms with seating capacities ranging from 75 to 500 and equipped with projection apparatus. Moreover, there must be suitable headquarters for the Association and for from 20 to 50 affiliated and associated societies. Finally, it must be possible to serve at least six or eight large luncheons or dinners at the same time. One of the most difficult requirements to meet is a suitable, conveniently located space of at least 20,000 square feet for the annual science exhibition and general registration headquarters and lounge. At summer meetings science exhibitions are not held and other requirements are about half those for winter meetings.

The first step in choosing a place for a meeting is usually an invitation from local institutions or organizations, supported by members of the Association living in the city extending the invitation. If the invitation is looked on with favor by the Executive Committee, the office of the Permanent Secretary makes a survey of the physical and other facilities available in the

city from which the invitation is received. If the report is favorable, the Executive Committee may recommend to the Council that the invitation be accepted. If the recommendation is adopted by the Council, the inviting institution is notified that the invitation is accepted and arrangements are taken up in due course for holding the meeting. Usually invitations are accepted several years in advance of the dates when the meetings will be held.

Article IV, Section 4 of the By-Laws of the Association provides that "A local committee shall be organized by the members resident in the place where a meeting of the Association is held." This committee has heavy responsibilities both in work and in taking care of local expenses. Usually a local committee, of from five to twenty-five members is organized, variously styled "The Local Committee," "The General Committee," "The General Planning Committee," or "The Committee on Arrangements." The *chairman* of this committee should always be a man of eminence, wide influence, high executive ability and thoroughness. The *executive secretary* should have the same qualities. Often an "Advisory Committee" from local educational institutions, academies, museums and other cultural organizations is set up. Such committees rarely do an appreciable amount of work. There are, however, subcommittees of great importance, the chairman of each of which should be especially well qualified by experience and ability to carry efficiently the responsibilities placed upon his committee. The special committees usually are: (1) Finance, (2) Transportation, (3) Excursions, (4) Receptions and Social Functions, (5) Meeting Places, (6) Special Dinners, (7) Equipment, (8) Printing, (9) Exhibits, and (10) Publicity. These committees function in close cooperation with the office of the Permanent Secretary which furnishes the chairman of the General Committee a detailed list of the arrangements that must be made. For example, the finance committee provides the funds necessary to meet the expenses of the various local subcommittees. The amount required at annual meetings is usually about \$5,000, and half as much at the summer meetings. The special committee on printing cooperates with the office of the Permanent Secretary in making arrangements for printing and assisting in getting through the press the General Program of the meeting, a book of about 300 pages for the annual meetings and about 120 for the summer meetings. The other special committees assume obvious responsibilities. The work of every committee must be organized thoroughly and carried out with precision so that its responsibilities will all be completely fulfilled at predetermined dates and possibly hours.

#### PUBLICATIONS

*Science and The Scientific Monthly.* First on the list of publications in which the Association is interested are *Science* and *The Scientific Monthly*, titles to which were transferred to the Association in December, 1938, by

J. McKeen Cattell and Josephine Owen Cattell. Dr. and Mrs. Cattell retain full control as editors and publishers of these journals until they voluntarily relinquish control of them or until Dr. Cattell's death. When control of them passes to the Association, the Association, under the terms of an agreement entered into at the time of the transfer of title, will pay J. McKeen Cattell and Josephine Owen Cattell each year for a period of ten years one-half of the average annual net income of each of these journals for the preceding five years. In determining the net income no charge is to be made for the services of Dr. Cattell and Mrs. Cattell to these journals as editors and publishers.

*Science* is a weekly journal now in its ninety-second volume and has been the official journal of the Association since 1900. *The Scientific Monthly* is a 96-page illustrated journal now in its fifty-first volume. Each member of the Association receives with his membership a subscription to either *Science* or *The Scientific Monthly*, at his option. To nonmembers the annual subscription to *Science* is \$6.00 and to *The Scientific Monthly*, \$5.00.

*The Association Symposia*. In January, 1934, the Science Press published as a supplement to *Science* a report on "The Protection by Patents of Scientific Discoveries" that had been submitted by the Committee on Patents, Copyrights and Trade Marks, consisting of Joseph Rossman, Chairman, F. G. Cottrell, A. W. Hull and A. F. Woods. This report was published under the general title "Occasional Publications of the American Association for the Advancement of Science," No. 1, and appeared as a supplement to *Science*, vol. 79. In the same year a symposium on "Physical and Chemical Changes in Nerve During Activity" was published as No. 2 of this series. The third on "The Scientific Aspects of Flood Control" was published in 1936. The first two of these publications are out of print. The fourth, a symposium on "Some Fundamental Aspects of the Cancer Problem," was published in June, 1937. Copies of this 248-page volume are still available.

Financial responsibility for the publication of the first four of the "Occasional Publications of the American Association for the Advancement of Science" was assumed by the Science Press. Since other symposia of high merit were being organized for presentation at meetings of the Association, it appeared likely that their publication might assume considerable proportions. After considerable discussion the Council passed the following resolution on December 27, 1937: "That the Association assume responsibility for the publication of such symposia as shall be passed upon and approved by the Executive Committee". At the same meeting, the Council approved the recommendation of the Executive Committee "that the Association assume full responsibility for the publication of the Acid-fast Bacteria [later called Tuberculosis and Leprosy] symposium presented at the Denver meeting, June, 1937." The Association has assumed full responsibility for all its later

symposia (except one<sup>1</sup>) that have been published. The list is as follows:

Tuberculosis and Leprosy (24 contributors)	1938
Syphilis (33 contributors)	1938
Recent Advances in Surface Chemistry and Chemical Physics (12 contributors)	1939
The Migration and Conservation of Salmon (9 contributors)	1939
Mental Health (94 contributors)	1939
Problems of Lake Biology (9 contributors)	1939
The Gonococcus and Gonococcal Infection (45 contributors)	1939
The Genetics of Pathogenic Organisms (11 contributors)	1940
Blood, Heart and Circulation (53 contributors)	1940
The Cell and Protoplasm (17 contributors)	1940

The Association publishes only those symposia presented at its meetings that are systematic, comprehensive and documented discussions by eminent specialists of important limited fields of science. It has been said that only those symposia are published that the Association cannot afford not to publish. However that may be, the ten published in the past three years have received hearty approval by specialists in their fields and a gratifying number of copies of them have been sold. The policy has been adopted of selling the symposia and all other publications of the Association at discounts to its members.

*The Association Science Series.* In June, 1939, the Association entered into a contract with Doubleday, Doran and Company, Inc., for the publication, at the publisher's expense, of nontechnical books on scientific subjects of wide general interest. Manuscripts submitted for this series are passed on by a committee representing the Association and by the publishers. Only if a manuscript is accepted both by the Association and by the publishers does it appear as one of the Association Science Series of books.

The first book in this series is "Multiple Human Births," by H. H. Newman, which is scheduled to appear from the press on October 21, 1940. The second is "Strange Malady" (allergy), by Warren T. Vaughan, which is scheduled to be published in January, 1941. Members of the Association will be allowed discounts of 20 per cent from the list prices of these books.

## GRANTS

Each year the Council makes an appropriation out of the income from the endowment and permanent funds of the Association for grants in aid of research. The amounts appropriated may vary from year to year, depending upon the income available for the purpose. The amount appropriated in each of the past six years is given in the table on page 80.

The individual grants are made by the Council upon the recommendation of the Committee on Grants, which consists of 8 members, two elected each

<sup>1</sup> The exception is "The Cell Theory," presented at the Virginia (Richmond) meeting in December 1938; published by the Jaques Cattell Press, Lancaster, Pa.

year for a term of 4 years. The members of the Grants Committee are chosen from among the various sciences so that every principal field is represented. In October of each year a note is published in *Science*, stating that the Association gives grants and that instructions and blanks for making applications can be obtained from the office of the Permanent Secretary. Early in December the Permanent Secretary sends copies of all applications received to each member of the Grants Committee. The Grants Committee reports its recommendations, through the office of the Permanent Secretary, to the Council at the annual meeting of the Association, and the Council formally votes the grants. The grants are usually for amounts not exceeding \$200, and they are often for aid in completing research already well under way or for which funds have been provided in part from other sources. Each recipient of a grant is required to report to the Association on the results obtained with its aid.

Since 1935 the Association each year has made available to each affiliated academy for grants in aid of research an amount approximately equal to \$0.50 for each of its members who is also a member of the Association. The funds for the grants are appropriated by the Council. The academies decide on the grants they desire to make and notify the office of the Permanent Secretary, which transmits to them the amounts made available under the appropriation by the Council.

The Association makes these funds available to the academies because experience has shown that they contribute efficiently to the advancement of science. Through the affiliated academies the Association is able to extend its assistance very widely and to aid many persons who would not otherwise be reached.

### PRIZES

The Association awards two prizes each year, "The Thousand Dollar Prize" provided by an anonymous friend of the Association for a paper of high importance presented before a scientific session at the annual meeting, and the "Theobald Smith Award," provided by the Eli Lilly Company, of Indianapolis, Ind., for a distinguished contribution to medical science by a person under thirty-five years of age. This award is made at summer meetings.

The recipients of the Thousand Dollar Prize, their fields and the subjects of their papers for which the prizes have been awarded are as follows:

- 1923. Leonard Eugene Dickson (mathematics). "The Theory of Numbers."
- 1924. (1) Edwin P. Hubble<sup>1</sup> (astronomy). "The Spiral Nebulae." (2) L. R. Cleveland<sup>1</sup> (biology). "The Physiology of Termites and their Intestinal Protozoa."
- 1925. Dayton C. Miller (physics). "The Ether-drift Experiment."
- 1926. George D. Birkhoff (mathematics). "Mathematical Criticism of some Physical Theories."

<sup>1</sup> Shared equally the prize for 1925.

- 1927. H. J. Muller (genetics). "The Influence of X-rays on Genes and Chromosomes."
- 1928. Oliver Kamm (chemistry). "The Hormones of the Pituitary Gland."
- 1929. Arthur J. Dempster (physics). "The Reflection of Protons from a Calcite Crystal."
- 1930. M. A. Tuve, L. R. Hafstad and O. Dahl (physics). "The Production of Beta Rays and Gamma Rays by Means of High-Voltage Vacuum Tubes."
- 1931. C. C. Speidel (medicine). "The Study of Living Nerves."
- 1932. Henry Eyring (chemistry). "Quantum Mechanics and Chemistry with Particular Reference to Reactions Involving Conjugate Double Bonds."
- 1933. Reuben L. Kahn (medicine). "Tissue Reactions in Immunity; the Specific Reacting Capacities of Different Tissues of an Immunized Animal."
- 1934. Vern O. Knudsen (physics). "The Absorption of Sound in Gases."
- 1935. P. W. Zimmerman (plant physiology) and A. E. Hitchcock (botany). "Responses of Plants to Synthetic Growth Substances (Phyto-hormones)."
- 1936. W. M. Stanley (chemistry). "Some Biochemical Investigations on Crystalline Tobacco Mosaic Virus Proteins."
- 1937. Philip R. White (botany). "Root Pressure—an Unappreciated Force in Sap Movement."
- 1938. Norman R. F. Maier (psychology). "Experimentally Produced Neurotic Behavior in the Rat."
- 1939. I. I. Rabi (physics). "Radio Frequency Spectra of Atoms and Molecules."

The Theobald Smith Awards in Medical Science have been as follows:

- 1937. Robley D. Evans. "A Study of Radium Poisoning."
- 1938. Charles F. Code. "Histamine in the Blood."
- 1939. Albert B. Sabin. "Constitutional Barriers to Involvement of the Nervous System by Certain Viruses."

## THE ANNUAL SCIENCE EXHIBITION

At the meeting held in Kansas City in 1925 the Association had its first science exhibition, managed by Major H. S. Kimberly, of Washington, and Professor Albert Saeger, of Kansas City. There were 10 exhibits by leading manufacturers of scientific instruments, apparatus, biological models, materials and supplies, and exhibits by several agencies of the Government, including the Bureau of Standards, the Chemical Warfare Service (combating boll weevil and other pests), the Bureau of Fisheries, the Fixed Nitrogen Research Laboratory, the Navy and the Smithsonian Institution. In addition, there were about 25 exhibits by individual scientists and laboratories.

At each annual meeting of the Association since 1925 a science exhibition has been held. The mere fact that the exhibits have been held for 16 successive years proves that they have been of advantage both to the exhibitors and to the Association. Scientists and institutions presenting individual exhibits have shown other scientists in the most efficient way what they are doing and how they are doing it. And those who visit these exhibits may make valuable comments and suggestions to the exhibiting scientists about

the problems on which they are working. In short, the exhibits by scientists and institutions give unsurpassed opportunities for conferences between experts on important scientific problems and methods in the atmosphere of the laboratory.

Publishers of scientific books find at the meetings of the Association large numbers of prospective purchasers of their publications. The members of the Association look over the new books in their fields not only to decide what they will themselves purchase but to make recommendations to libraries and for adoption for classroom use.

Once scientists worked in garrets with instruments of their own construction. Now the progress of science is essentially dependent on those who make the enormous variety of instruments and equipment that scientists use. No astronomer could construct a 100-inch telescope; no biologist could make his own compound microscope; no chemist could produce the delicate scales he uses in his work; no medical man could design an electrocardiograph that would function. Specialists design and manufacture all such things, often at very great cost in time and money. They and the scientists together promote the advancement of science. For these reasons the Association welcomes the manufacturers of scientific equipment, apparatus and supplies of all kinds in their annual science exhibitions.



# **SUMMARIZED PROCEEDINGS**

**For the Period Jan. 1934 - Jan. 1940**

**Volumes LXXXVII - XCIII**



## OFFICERS OF THE ASSOCIATION, 1934-1940

### PRESIDENTS OF THE ASSOCIATION, 1934-1940

*(For the calendar years)*

Edward L. Thorndike (psychology), Columbia University.....	1934
Karl T. Compton (physics), Massachusetts Institute of Technology...	1935
Edward G. Conklin (zoology), Princeton University.....	1936
George D. Birkhoff (mathematics), Harvard University.....	1937
Wesley C. Mitchell (economics), Columbia University.....	1938
Walter B. Cannon (physiology), Harvard University.....	1939
Albert F. Blakeslee (genetics), Department of Genetics of Carnegie Institution of Washington, Cold Spring Harbor, N. Y.....	1940

### PRESIDENTS OF THE PACIFIC DIVISION, 1934-1940

*(To the annual meetings in June)*

Joel H. Hildebrand (chemistry), University of California.....	1934
Bailey Willis (geology), Stanford University.....	1935
Richard C. Tolman (physics), California Institute of Technology.....	1936
Herbert M. Evans (anatomy), University of California.....	1937
J. S. Plaskett (astronomy), Dominion Astrophysical Observatory, Victoria, B. C.....	1938
S. J. Holmes (zoology), University of California.....	1939
Lewis M. Terman (psychology), Stanford University.....	1940
Harald U. Sverdrup (oceanography), Scripps Institution of Oceanography, La Jolla, Calif.....	1941

### PRESIDENTS OF THE SOUTHWESTERN DIVISION, 1934-1940

*(To the annual meetings in April)*

Oliver C. Lester (physics), Colorado Carnotite Company.....	1934
D. S. Robbins (physics), State College, New Mexico.....	1935
Harold S. Colton (zoology), Museum of Northern Arizona.....	1936
Frank E. E. Germann (chemistry), University of Colorado.....	1937
Frank E. E. Germann (chemistry), University of Colorado.....	1938
E. F. Carpenter (astronomy), University of Arizona.....	1939
John R. Eyer (biology), State College, New Mexico.....	1940
Carrol V. Newson (mathematics), University of New Mexico.....	1941

## SECTION OFFICERS

## MATHEMATICS (A)

*Vice Presidents*

R. D. Carmichael.....	1934
T. H. Hildebrandt.....	1935
G. C. Evans.....	1936
W. D. Cairns.....	1937
J. R. Kline.....	1938
Marston Morse.....	1939
A. B. Coble.....	1940

*Secretaries*

William H. Roever.....	1920-24
R. C. Archibald.....	1925-27
Charles N. Moore.....	1928-32
Earle R. Hedrick.....	1933-

## PHYSICS (B)

*Vice Presidents*

Henry G. Gale.....	1934
John T. Tate.....	1935
George B. Pegram.....	1936
Harvey Fletcher.....	1937
H. E. Ives.....	1938
E. O. Lawrence.....	1939
A. L. Hughes.....	1940

*Secretaries*

G. W. Stewart.....	1917-20
S. R. Williams.....	1921-24
A. L. Hughes.....	1925-32
H. A. Barton.....	1933-

## CHEMISTRY (C)

*Vice Presidents*

Joel H. Hildebrand.....	1934
Moses Gomberg.....	1935
Irving Langmuir.....	1936
Farrington Daniels.....	1937
H. C. Urey.....	1938
Henry C. Gilman.....	1939
George Scatchard.....	1940

*Secretaries*

Charles E. Caspari.....	1920
Gerald L. Wendt.....	1921
W. D. Harkins.....	1922-24
Gerhard Dietrichson <sup>1</sup> .....	1925-28
*R. R. Renshaw.....	1929-31
R. C. Fuson.....	1932

<sup>1</sup> Assistant secretary, 1923-24.

J. H. Simons.....	1932-36
Neil E. Gordon.....	1937-

## ASTRONOMY (D)

*Vice Presidents*

Frederick Slocum.....	1934
H. R. Morgan.....	1935
Frederick H. Seares.....	1936
Philip Fox.....	1937
R. Meldrum Stewart.....	1938
Everett I. Yowell.....	1939
Robert R. McMath.....	1940

*Secretaries*

F. R. Moulton.....	1920-24
Philip Fox.....	1925-32
H. T. Stetson.....	1933-

## GEOLOGY AND GEOGRAPHY (E)

*Vice Presidents*

James B. Macelwane.....	1934
Walter E. McCourt.....	1935
George R. Mansfield.....	1936
Kirtley F. Mather.....	1937
Walter H. Bucher.....	1938
Kirk Bryan.....	1939
Hugh D. Miser.....	1940

*Secretaries*

Rollin T. Chamberlin.....	1920
Elwood S. Moore.....	1921-24
G. R. Mansfield.....	1925-28
Kirtley F. Mather.....	1929-36
Howard A. Meyerhoff.....	1937-

## ZOOLOGICAL SCIENCES (F)

*Vice Presidents*

George L. Streeter.....	1934
Oscar Riddle.....	1935
Ross G. Harrison.....	1936
Ralph S. Lillie.....	1937
Francis B. Sumner.....	1938
W. R. Coe.....	1939
L. J. Cole.....	1940

*Secretaries*

*Herbert V. Neal.....	1920
H. W. Rand.....	1921-24
George T. Hargitt.....	1925-32
George R. La Rue.....	1933-36
George A. Baitsell.....	1937-

## BOTANICAL SCIENCES (G)

*Vice Presidents*

Bernard O. Dodge.....	1934
E. W. Sinnott.....	1935
J. M. Greenman.....	1936
F. E. Denny.....	1937
Raymond J. Pool.....	1938
Neil E. Stevens.....	1939
M. L. Fernald.....	1940

*Secretaries*

Mel. T. Cook.....	1920
R. B. Wylie.....	1921-24
Sam F. Trelease.....	1925-36
John T. Buchholz.....	1937-

## ANTHROPOLOGY (H)

*Vice Presidents*

Melville J. Herskovits.....	1934
N. C. Nelson.....	1935
Ralph Linton.....	1936
John Swanton.....	1937
Diamond Jenness.....	1938
Neil Judd.....	1939
W. Duncan Strong.....	1940

*Secretaries*

E. A. Hooton.....	1920-22
R. J. Terry.....	1923-26
Fay-Cooper Cole.....	1927
Charles H. Danforth.....	1928-31
Carl E. Guthe.....	1932
W. M. Krogman.....	1933-

## PSYCHOLOGY (I)

*Vice Presidents*

John E. Anderson.....	1934
*Joseph Peterson . . .	Jan. 1 to Oct. 8, 1935
R. M. Ogden.....	Oct. 27 to Dec. 30, 1935
*Edward S. Robinson.....	1936
A. T. Poffenberger.....	1937
Calvin P. Stone.....	1938
J. F. Dashiell.....	1938
C. L. Hull.....	1939
Karl M. Dallenbach.....	1940

*Secretaries*

Frank N. Freeman.....	1920-28
John E. Anderson.....	1929-33
John A. McGeoch.....	1934-36
Leonard Carmichael.....	1937-

SOCIAL AND ECONOMIC  
SCIENCES (K)*Vice Presidents*

Carl Snyder.....	1934
Shelby Harrison.....	1935
Harold G. Moulton.....	1936
Stuart Rice.....	1937
Howard R. Tolley.....	1938
Warren S. Thompson.....	1939
Holbrook Working.....	1940

*Secretaries*

*Seymour C. Loomis.....	1920
R. M. MacIver.....	1921
Frederick L. Hoffman.....	1922-26
(No secretary elected for 1927)	
Charles F. Roos.....	1928-31
Harold Hotelling.....	1931-32
James Ford.....	1933-36
E. P. Hutchinson.....	1937-

HISTORICAL AND PHILOLOGICAL  
SCIENCES (L)*Vice Presidents*

Solon J. Buck.....	1934
George Sarton.....	1935
E. H. Wilkins.....	1936
R. C. Archibald.....	1937
Nelson Glenn McCrea.....	1938
L. C. Karpinski.....	1939
Chauncey D. Leake.....	1940

*Secretaries*

Frederick E. Brasch.....	1921-27
Leonard Bloomfield.....	1928
Joseph Mayer, Secretary of Sub-	section on History of Science. 1929-36
Leonard Bloomfield, Secretary	of Subsection on Linguistics.. 1929-36
Joseph Mayer.....	1931-

## ENGINEERING (M)

*Vice Presidents*

C. E. Skinner.....	1934
H. N. Davis.....	1935
W. E. Wickenden.....	1936
J. W. Barker.....	1937
A. A. Potter.....	1938
Jerome C. Hunsaker.....	1939
Robert L. Sackett.....	1940

*\*Secretaries*

Frederic L. Bishop.....	1920
L. W. Wallace.....	1921-23
Hugh Miller.....	1924
N. H. Heck.....	1925-32
Vannevar Bush.....	1933-37
F. M. Feiker.....	1937-

## MEDICAL SCIENCES (N)

*Vice Presidents*

Cyrus C. Sturgis.....	1934
Stanhope Bayne-Jones.....	1935
Joseph T. Wearn.....	1936
Esmond R. Long.....	1937
T. M. Rivers.....	1938
C. J. Wiggers.....	1939
Paul R. Cannon.....	1940

*Secretaries*

A. J. Goldforb.....	1920-27
R. G. Hoskins.....	1928
Charles W. M. Poynter.....	1929-31
F. A. Moss.....	1931
W. W. Cort.....	1932
W. M. Simpson.....	1933
*Earl B. McKinley.....	1934
Vincent du Vigneaud.....	1935-36
Malcolm H. Soule.....	1937-

## SUBSECTION ON DENTISTRY (Nd)

*Chairmen*

Theo B. Beust.....	1935
Thomas J. Hill.....	1936-

*Committeemen*

Wm. J. Gies.....	1935
J. L. T. Appleton.....	1936-
M. L. Ward.....	1936-38
Paul C. Kitchin.....	1939-

## SUBSECTION ON PHARMACY (Np)

*Chairmen*

John C. Krantz, Jr.....	1936
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R. A. Lyman.....	1937
Wortley F. Rudd.....	1938
Glenn L. Jenkins.....	1939

*Committeemen*

R. A. Lyman.....	1936
Wortley F. Rudd.....	1936-37, 1939-
Glenn L. Jenkins.....	1937-38
Edward Spease.....	1938-

## AGRICULTURE (O)

*Vice Presidents*

*Jacob G. Lipman.....	1934
H. K. Hayes.....	1935
*P. E. Brown.....	1936
E. C. Auchter.....	1937
Robert M. Salter.....	1938
Henry Schmitz.....	1939
W. H. Chandler.....	1940

*Secretaries*

*Jacob G. Lipman.....	1920
*P. E. Brown.....	1921-35
M. Francis Morgan.....	1936-

## EDUCATION (Q)

*Vice Presidents*

Guy Thomas Buswell.....	1934
F. B. Knight.....	1935
E. S. Evenden.....	1936
Ralph W. Tyler.....	1937
George D. Stoddard.....	1938
M. R. Trabue.....	1939
E. J. Ashbaugh.....	1940

*Secretaries*

*Bird T. Baldwin.....	1920-21
A. S. Barr.....	1922-28
Willis L. Uhl.....	1929-32
William S. Gray.....	1933-36
P. M. Symonds.....	1937-38
H. H. Remmers.....	1939-

Asterisk indicates person is deceased.

## MEMBERS OF THE COUNCIL

FOR THE YEARS 1934-1939, INCLUSIVE

## EX OFFICIO

The President (see page 91)  
 The Permanent Secretary (see page 57)  
 The General Secretary (see page 57)  
 The Treasurer (see page 57)  
 The Vice Presidents for the Sections  
 (see pages 92-94)  
 The Secretaries of the Sections (see  
 pages 92-94)

## ELECTED MEMBERS

John C. Merriam .....1921-37  
 Frederick G. Cottrell.....1931-34  
 Austin H. Clark.....1928-  
 Arthur H. Compton.....1928-  
 W. W. Cort.....1933-34  
 George T. Hargitt.....1933-36  
 Dugald C. Jackson .....1933-36  
 F. K. Richtmyer.....1934-37  
 William F. Ogburn.....1935-38  
 Louis B. Wilson.....1935-38  
 Vincent du Vigneaud.....1937-

Sam F. Trelease .....1937-  
 C C Colby.. ..1938-  
 E R. Weidlein .....1938-  
 H. W. Odum .. ..1939-  
 W T Vaughan.....1939-

## APPOINTED BY THE DIVISIONS

## PACIFIC DIVISION

W. F. Durand.....1933  
 E. G. Martin.....1934  
 Roy E Clausen.....1935-

## SOUTHWESTERN DIVISION

Oliver C. Lester.....1933  
 Forrest Shreve .....1934  
 Harold S. Colton.....1935  
 Frank E. E. Germann.....1936-

## ELECTED BY AFFILIATED

## ORGANIZATIONS

(See pages 97-107)

## COMMITTEES OF THE COUNCIL

## EXECUTIVE COMMITTEE

J. McKeen Cattell.....1921-  
 Henry B. Ward.....1921-  
 Burton E. Livingston.....1921-  
 Edwin B. Wilson.....1925-36  
 David R. Curtiss.....1928-35  
 Karl T. Compton.....1929-  
 Joel H. Hildebrand.....1929-35  
 Robert A. Millikan.....1929-36  
 Philip Fox.....1933-34  
 Albert F. Woods.....1933-36  
 Edward L. Thorndike.....1934  
 Edwin G. Conklin.....1934-  
 Otis W. Caldwell.....1935-  
 \*Earl B. McKinley.....1935-38  
 Rollin T. Chamberlin.....1936-37  
 Gilbert N. Lewis.....1936-38  
 George D. Birkhoff.....1937-  
 F. R. Moulton.....1937-  
 Wesley C. Mitchell.....1938  
 Esmond R. Long.....1938-  
 Linus Pauling.....1938-39

Walter B. Cannon. ....1939  
 A. F. Blakeslee.....1940-  
 Roy E. Clausen.....1940-

## FINANCE COMMITTEE

John L. Wirt.....1923-  
 Arthur Keith.....1933-  
 Wilson Compton.....1933-  
 Arthur L. Day.....1924-39  
 \*Herbert Gill .....1923-36  
 F. R. Moulton.....1937-  
 Charles S. Baker .....1937-  
 Frederick P. H. Siddons.....1940-

## COMMITTEE ON GRANTS

Arthur H. Compton.....1930-37  
 Carl E. Guthe.....1931-34  
 Samuel C. Lind.....1931-34  
 William R. Crocker.....1932-35  
 Philip Fox.....1932-35  
 Edward W. Berry.....1933-34  
 Walter R. Miles.....1933-36

Asterisk denotes person is deceased.

C. C. Little.....	1934-37
James B. Macelwane... ..	1935-36
McKeen Cattell... ..	1935-38
Moses Gomberg.....	1935-38
Joel Stebbins.....	1936-39
Sam F. Trelease.....	1936-39
*J. G. Lipman.....	1937-39
A. T. Poffenberger.....	1937-
G. H. Parker.....	1938-
*F. K. Richtmyer... ..	1938-39
Vincent du Vigneaud .....	1939-
T. R. Hogness.....	1939-
A. F. Woods.....	1939-
Dayton C. Miller... ..	1939-
S. A. Mitchell.....	1940-
John T. Buchholz. ....	1940-

#### COMMITTEE ON THE PLACE OF SCIENCE IN EDUCATION

Otis W. Caldwell.....	1934-
Karl T. Compton.....	1934-38
Jerome Isenbarger.....	1934-
Burton E. Livingston.....	1934-
Morris Meister.....	1934-
W. L. Eikenberry. ....	1938-
Ralph W. Tyler.....	1938-
F. R. Moulton.....	1938-

#### COMMITTEE ON SOURCE BOOKS IN THE HISTORY OF SCIENCE

Gregory D. Walcott.....	1927-
Edwin G. Conklin.....	1927-
Harlow Shapley... ..	1927-

#### COMMITTEE ON POPULAR SCIENCE BOOK LISTS

Joseph L. Wheeler .....	1927-
Edward W. Berry.....	1927-
Paul R. Heyl.....	1927-
Burton E. Livingston.....	1927-

#### TRUSTEES OF SCIENCE SERVICE FROM THE ASSOCIATION

J. McKeen Cattell... ..	1922-
Raymond Pearl. ....	1929-34
Burton E. Livingston .....	1930-36
Henry B. Ward.....	1935-
Edwin G. Conklin.....	1937-

#### REPRESENTATIVES IN THE DIVISION OF FOREIGN RELATIONS OF THE NATIONAL RESEARCH COUNCIL

Burton E. Livingston.....	1921-31
William A. Noyes.....	1931-37
F. R. Moulton.....	1937-

#### REPRESENTATIVES IN THE COUNCIL OF THE UNION OF AMERICAN BIOLOGICAL SOCIETIES

##### *For the Association as a Whole*

Burton E. Livingston.....	1923-
Henry B. Ward .....	1923-

##### *For the Section on Zoological Sciences*

Henry Osborn.....	1923- *
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##### *For the Section on Botanical Sciences*

C. O. Appleman.....	1923-
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##### *For the Section on Medical Sciences*

C. A. Kofoed .....	1923-
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##### *For the Section on Agriculture*

R. W. Thatcher.....	1923-33
Albert F. Woods.....	1933-

#### REPRESENTATIVES ON THE BOARD OF TRUSTEES OF BIOLOGICAL ABSTRACTS

Herbert Osborn.....	1928-38
Henry B. Ward.....	1938-

## SECTION COMMITTEES

CONSISTING OF (A) MEMBERS ELECTED BY THE SECTIONS AND (B) FELLOWS ELECTED AS REPRESENTATIVES IN THE COUNCIL BY THE AFFILIATED SOCIETIES

## MATHEMATICS (A)

ELECTED BY THE SECTION

E. B. Stouffer.....	1931-34
H. E. Buchanan....	1932-35
Marston Morse.....	1933-36
R. E. Langer.....	1934-37
E. B. Stouffer.....	1935-38
L. M. Graves.....	1936-39
M. H. Stone.....	1937-40
Joseph Miller Thomas.....	1938-41
W. M. Whyburn.....	1939-42
J. L. Walsh.....	1940-43

*American Mathematical Society*

Mark H. Ingraham....	1931-37
Charles N. Moore.....	1934-36
Gordon T. Whyburn.....	1937
R. E. Langer.....	1938-39
F. D. Murnaghan.....	1938-39
L. L. Dines.....	1939
Arnold Dresden.....	1940-
J. R. Kline.....	1940-

*Mathematical Association of America*

W. D. Cairns .....	1920-36
C. S. Atchison.....	1934-39
H. L. Rietz.....	1937
W. D. Cairns.....	1938
F. D. Murnaghan.....	1939-
L. L. Dines.....	1940-

*Association for Symbolic Logic*

Haskell B. Curry.....	1937
Edward V. Huntington...	1938-

*United Chapters of Phi Beta Kappa*

Dunham Jackson .....	1935
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*Sigma Delta Epsilon Graduate Women's Scientific Fraternity*

Mayme I. Logsdon.....	1939
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*Florida Academy*

J. H. Kusner.....	1937-
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## PHYSICS (B)

ELECTED BY THE SECTION

Raymond Thayer Birge.....	1931-34
Harvey Fletcher.....	1932-35
Frederick A. Saunders.....	1933-36
Ernest O. Lawrence.....	1934-37
A. L. Hughes.....	1935-38
Karl K. Darrow.....	1936-39
J. W. Beams.....	1937-40
Lee A. DuBridge.....	1938-41
E. U. Condon.....	1939-42
George R. Harrison.....	1940-43

ELECTED BY AFFILIATED SOCIETIES

*American Physical Society*

Leonard B. Loeb.....	1934-35
Willard L. Severinghaus.....	1934-
F. K. Richtmyer.....	1936-38
John T. Tate.....	1939
John Zeleny.....	1940-

*Optical Society of America*

Herbert E. Ives.....	1934
P. I. Wold.....	1934-37
W. E. Forsythe.....	1935-37
R. C. Gibbs.....	1938-
Elmer Hutchison.....	1938-

*American Association of Physics Teachers*

William E. McElfresh.....	1934
Oswald Blackwood.....	1934-
C. F. Hagenow.....	1935-

*American Meteorological Society*

W. J. Humphreys.....	1934-
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*Acoustical Society of America*

Vern O. Knudsen.....	1934-35
Floyd R. Watson.....	1936-

*Society of Rheology*

Elmer O. Kraemer.....	1934-
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Asterisk indicates person is deceased.

*American Association of University Professors*

Henry Crew.....1934-

*Society of Sigma Xi*

W. F. Durand.....1936-38

*United Chapters of Phi Beta Kappa*

Robert A. Millikan.....1934

George E. M. Jauncey.....1935

Arthur H. Compton.....1936-

*Honor Society of Phi Kappa Phi*

R. C. Gibbs. ....1934-

*American Philosophical Association*

F. S. C. Northrop...1939-

*Alabama Academy*

Paul D. Bales.....1937

J. H. Coulliette.....1938-

*Kansas Academy*

Harvey A. Zinszer.....1934-38

*Maryland Academy*

S. Karrer.....1939-

*Missouri Academy*

R. T. Dufford.....1938-

*New Orleans Academy*

Isaac M. Cline.....1935

*Ohio Academy*

William H. Alexander.....1935-

*Tennessee Academy*

A. W. Dicus.....1939-

CHEMISTRY (C)

ELECTED BY THE SECTION

Frank C. Whitmore.....1931-34

William Blum....1932-35

Charles A. Browne.....1933-36

Arthur B. Lamb.....1934-37

J. H. Hildebrand.....1935-38

Farrington Daniels<sup>1</sup>.....1938-

Moses Gomberg.....1936-39

Irving Langmuir.....1937-40

James F. Norris.....1938-41

M. T. Bogert.....1939-42

Ross A. Gortner.....1940-43

<sup>1</sup> Special member of Executive Committee of the section.

ELECTED BY AFFILIATED SOCIETIES

*American Chemical Society*

Alexander Silverman .....1934

Joel H. Hildebrand.....1934

Moses Gomberg ..1935

P. A. Shaffer.....1935

Irving Langmuir .....1936-37

John R. Murlin.....1936-37

A. F. Benton.....1938-39

H. C. Urey.....1938-39

H. S. Lukens.....1940-

George Scatchard.....1940-

\*E. C. Franklin  
.....(summer meeting) 1934

S. C. Lind.....(summer meeting) 1935

Neil Gordon....(summer meeting) 1938

H. K. Benson...(summer meeting) 1940

George MCP. Smith  
.....(summer meeting) 1940

*The Electrochemical Society*

\*Charles S. Palmer.....1934

Joseph Slepian .....1934

S. C. Lind.....1935

C. A. Mann.....1935

H. Jermain Creighton.....1936-

\*Herman Schlundt.....1936-37

Hiram S. Lukens.....1938-

Wm. C. Bray....(summer meeting) 1934

W. W. Hanscom  
.....(summer meeting) 1934

Earl C. Gilbert  
.....(summer meeting) 1940

Paul C. Haeseler  
.....(summer meeting) 1940

*American Oil Chemists' Society*

\*Charles E. Coates.....1934-

*American Pharmaceutical Association*

John C. Krantz, Jr.....1934-37

*Sigma Xi*

Edward Ellery.....1934-

*Colorado-Wyoming Academy*

Frank E. E. Germann.....1934-

*Georgia Academy*

\*Leon P. Smith.....1934-35

*South Carolina Academy*

J. E. Copenhaver.....1934

Roe E. Remington.....1936-37

*Tennessee Academy*

John T. McGill...	1934-38
Louis J. Bircher	
.....(summer meeting)	1939

*Wisconsin Academy*

H. A. Schuette	1934-36
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## ASTRONOMY (D)

## ELECTED BY THE SECTION

Annie J. Cannon	1931-34
W. H. Wright	1932-35
C. O. Lampland	1933-40
Raymond S. Dugan	1934-37
Dinsmore Alter	1935-38
John C. Duncan	1936-39
Charles P. Olivier	1938-41
Robert H. Baker	1939-42
Dean B. McLaughlin	1940-43

## ELECTED BY AFFILIATED SOCIETIES

*American Astronomical Society*

Kevin Burns	1934
Zaccheus Daniel	1934
E. S. Haynes	1935
W. J. Luyten	1935
S. L. Boothroyd	1936-37
W. S. Eichelberger	1936-37
S. A. Mitchell	1938
Herbert R. Morgan	1938
E. S. Manson	1939-
J. J. Nassau	1939-
Harold D. Babcock	
.....(summer meeting)	1934
R. T. Crawford	
.....(summer meeting)	1934
C. A. Chant	.....(summer meeting) 1938

*Astronomical Society of the Pacific*

Kevin Burns	1934
Eli Stuart Haynes	1935-38
R. T. Crawford	1939-
C. D. Shane	.....(summer meeting) 1934

*Society for Research on Meteorites*

Lincoln La Paz	1939-
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*American Association of University Professors*

S. A. Mitchell	1934-
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## GEOLOGY AND GEOGRAPHY (E)

## ELECTED BY THE SECTION

Edward W. Berry	1931-34
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George Rogers Mansfield	1932-35
Waldemar T. Schaller	1933-36
Hugh D. Miser	1934-37
Edward L. Troxell	1935-38
C. H. Behre, Jr.	1936-39
Walter H. Bucher <sup>1</sup>	1939
Preston E. James	1937-40
W. T. Thom, Jr.	1938-41
William W. Rubey	1939-42
John L. Rich	1940-43

## ELECTED BY AFFILIATED SOCIETIES

*Geological Society of America*

Charles P. Berkey	1934-
Eliot Blackwelder	1934
Nevin M. Fenneman	1935
W. C. Mendenhall	1936
Charles Palache	1937
T. Wayland Vaughan	1938-

*Paleontological Society*

Siemon W. Muller	1934
Hervey W. Shimer	1934
John R. Ball	1935-
Courtney Werner	1935-38
J. E. Carman	1939-

*Association of American Geographers*

Charles C. Colby	1934-38
W. Elmer Ekblaw	1934
Guy-Harold Smith	1935-38
E. N. Transeau	1939-
Eugene Van Cleef	1939-

*Seismological Society of America*

Nicholas H. Heck	1934-37
Harold Edgar McComb	1934
James B. Macelwane	1935-37
Stephen Taber	1938
Wm. T. Thom, Jr.	1938-
John P. Delaney	1939-
L. Don Leet	.....(summer meeting) 1934
Kirtley F. Mather	
.....(summer meeting)	1934

*American Geographical Society of New York*

W. L. G. Joerg	1934-39
John K. Wright	1934-
O. M. Miller	1940-

*Mineralogical Society of America*

Paul F. Kerr	1934-
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<sup>1</sup> Special member Executive Committee of the section.

*Maryland Academy*

\* Francis C. Nicholas... 1934-37

*Nebraska Academy*

N. A. Bengston... 1934  
A. L. Lugin... 1938-

*Northwest Scientific Association*

Otis W. Freeman... 1935-

## ZOOLOGICAL SCIENCES (F)

## ELECTED BY THE SECTION

William B. Herms... 1931-34  
Dwight E. Minnich... 1932-35  
Sewall Wright... 1933-36  
David H. Wenrich... 1934-37  
Paul S. Welch... 1935-38  
A. M. Banta... 1936-39  
J. H. Bodine... 1937-40  
J. William Buchanan... 1938-41  
J. T. Patterson... 1939-42  
H. H. Plough... 1940-43

## ELECTED BY AFFILIATED SOCIETIES

*American Society of Zoologists*

J. William Buchanan... 1934  
\* William H. Longley... 1934  
J. H. Bodine... 1935  
R. A. Budington... 1935  
J. E. Ackert... 1936  
H. H. Plough... 1936  
Dwight E. Minnich... 1937  
B. H. Willier... 1937, 1939  
H. V. Neal... 1938  
A. A. Schaeffer... 1938  
C. R. Moore... 1939-  
R. K. Burns, Jr... 1940-

*Entomological Society of America*

John J. Davis... 1934  
P. J. Parrott... 1934  
T. J. Headlee... 1935-36  
C. L. Metcalf... 1935-36  
W. B. Herms... 1937  
O. A. Johannsen... 1937-38  
John J. Davis... 1938-39  
C. T. Brues... 1939-  
S. E. Flanders... 1940-

*American Association of Economic Entomologists*

G. M. Bentley... 1934-36  
C. H. Hadley... 1934  
Alvah Peterson... 1935-38  
Leonard Haseman... 1937-38

J. I. Hambleton... 1939-  
L. A. Stearns... 1939-

*American Society of Parasitologists*

George R. LaRue... 1934-36, 1938-  
Elery R. Becker... 1937  
William A. Riley... 1940-

*American Society of Mammalogists*

Glover M. Allen... 1934-37  
George B. Wislocki... 1934-37  
Lee R. Dice... 1938-  
Marcus Ward Lyon, Jr... 1938-

*Association for Research in Human Heredity*<sup>1</sup>

Harrison Randall Hunt... 1934  
H. H. Laughlin... 1934-  
Clarence G. Campbell... 1935-38  
Laurence H. Snyder... 1939-

*American Society of Naturalists*

C. G. Rogers... 1934-37  
W. B. Herms... 1936-37  
Alfred C. Kinsey... 1938  
H. R. Hunt... 1939-

*Ecological Society of America*

\* Joseph Grinnell... 1934  
E. B. Powers... 1935  
Paul S. Welch... 1936-37  
R. E. Coker... 1938  
Lee R. Dice... 1939-

*Western Society of Naturalists*

C. V. Taylor... 1934-35  
W. B. Herms... 1936  
R. C. Miller... 1937-39  
Harry Beal Torrey... 1937-39  
James E. Lynch... 1940

*American Genetic Association*

Hugh C. McPhee... 1934  
Sewall Wright... 1935  
C. E. Leighty... 1936-37  
W. V. Lambert... 1938-

*American Microscopical Society*

James E. Ackert... 1934-  
John E. Gruberlet... 1935  
A. M. Chickering... 1936-

*Genetics Society of America*

E. B. Babcock... 1934

<sup>1</sup> Formerly Eugenics Research Association.

C. W. Metz.....	1935
F. B. Hutt.....	1936
Fernandus Payne.....	1937-38
W. P. Spencer.....	1939
F. B. Hutt.....	1940

*Limnological Society of America*

Paul S. Welch.....	1936
James G. Needham.....	1937-

*Federation of American Societies  
for Experimental Biology*

Andrew C. Ivy.....	1936-38
D. R. Hooker.....	1937-38

*Sigma Xi*

George Howard Parker.....	1934-35
George A. Baitsell.....	1939-

*Phi Beta Kappa*

Dwight E. Minnich.....	1935
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*American Nature Study Society*

Edith Patch.....	1935-36
Alfred Satterthwait.....	1937-

*Sigma Delta Epsilon*

Nina E. Gray.....	1939
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*Alabama Academy*

P. H. Yancey.....	1936
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*British Columbia Academy*

C. McLean Fraser.....	1939
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*Georgia Academy*

George H. Boyd.....	1936-
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*Illinois Academy*

Arthur C. Walton.....	1934
Lyell J. Thomas.....	1935-36, 1930-

*Indiana Academy*

Howard E. Enders.....	1934-
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*Kansas Academy*

*George E. Johnson.....	1934
Roger C. Smith.....	1936-37, 1939-

*Kentucky Academy*

Austin R. Middleton.....	1934-
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*Louisiana Academy*

Ellenor H. Behre.....	1935, 1938
Harry J. Bennett.....	1939
William H. Gates.....	1940

*Michigan Academy*

Peter Okkelberg.....	1934-35
A. H. Stockard.....	1936
A. Franklin Shull.....	1937-

*Minnesota Academy*

T. B. Magath.....	1935
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*New Hampshire Academy*

Walter C. O'Kane.....	1934-37
W. W. Ballard.....	1940-

*New Orleans Academy*

Ernest C. Faust.....	1934
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*North Carolina Academy*

Bert Cunningham.....	1936-
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*North Dakota Academy*

George C. Wheeler.....	1934-
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*Northwest Scientific Association*

Thomas Large.....	1934-35
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*Ohio Academy*

Herbert Osborn.....	1934-35
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*Oklahoma Academy*

A. O. Weese.....	1937-39
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*Pennsylvania Academy*

T. L. Guyton.....	1934-35
V. Earl Light.....	1936-

*St. Louis Academy*

A. F. Satterthwait.....	1934-35
Albert Kuntz.....	1936

*South Carolina Academy*

Franklin Sherman.....	1936
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*Texas Academy*

S. W. Bilsing.....	1934-
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**BOTANICAL SCIENCES (G)**

**ELECTED BY THE SECTION**

Henry Reist Kraybill.....	1931-34
Albert F. Blakeslee.....	1932-35
B. O. Dodge.....	1933-36
A. J. Eames.....	1934-37
F. E. Denny.....	1935-38
E. W. Sinnott.....	1936-39
Neil E. Stevens.....	1937-40
J. M. Beal.....	1938-41
E. N. Transeau.....	1939-42
W. J. Robbins.....	1940-43

## ELECTED BY AFFILIATED SOCIETIES

*Botanical Society of America*

G. J. Peirce .. . . .	1934
H. L. Shantz .. . . .	1934
A. F. Blakeslee .. . . .	1935
C. F. Hottes .. . . .	1935
J. T. Buchholz .. . . .	1936
E. N. Transeau .. . . .	1936
H. H. Bartlett .. . . .	1937-38
E. J. Kraus .. . . .	1937-38
Ivey F. Lewis .. . . .	1939-
Paul B. Sears .. . . .	1939-

*American Phytopathological Society*

H. S. Cunningham .. . . .	1934-37
Neil E. Stevens .. . . .	1934-36
W. D. Valleau .. . . .	1937-38
S. A. Wingard .. . . .	1938-
L. M. Massey .. . . .	1939-

*American Society of Plant Physiologists*

D. R. Hoagland .. . . .	1934
C. J. Peirce .. . . .	1934
Charles O. Appleman .. . . .	1935-36
Charles Albert Shull .. . . .	1935, 1940-
W. H. Horr .. . . .	1936-

*Torrey Botanical Club*

B. O. Dodge .. . . .	1934-35
D. T. MacDougal .. . . .	1934-35
William Crocker .. . . .	1936, 1938-39
George H. Shull .. . . .	1936, 1938
Frederick McAllister .. . . .	1937
R. J. Pool .. . . .	1937
J. H. Barnhart .. . . .	1939-
C. S. Gager .. . . .	1940-

*Mycological Society of America*

H. S. Jackson .. . . .	1935
C. L. Shear .. . . .	1935
Carroll W. Dodge .. . . .	1936-39
Fred J. Seaver .. . . .	1936-39
W. C. Coker .. . . .	1940-
B. O. Dodge .. . . .	1940-

*American Society of Naturalists*

R. E. Cleland .. . . .	1934-35, 1938-
J. L. Cartledge .. . . .	1939
W. R. Taylor .. . . .	1940

*Ecological Society of America*

*George E. Nichols .. . . .	1934
H. C. Hanson .. . . .	1935, 1939-
George D. Fuller .. . . .	1936-37
H. de Forest .. . . .	1938

*Western Society of Naturalists*

D. R. Hoagland .. . . .	1934-35
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*American Genetic Association*

A. F. Blakeslee .. . . .	1934
L. J. Stadler .. . . .	1935
Hugh C. McPhee .. . . .	1936-37
C. E. Leighty .. . . .	1938-

*American Microscopical Society*

L. H. Tiffany .. . . .	1934
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*Genetics Society of America*

R. E. Clausen .. . . .	1934
C. E. Allen .. . . .	1935, 1937-38
B. R. Nebel .. . . .	1936
F. D. Richey .. . . .	1939
D. C. Cooper .. . . .	1940-

*American Society of Agronomy*

J. G. Dickson .. . . .	1934
T. A. Kiesselbach .. . . .	1935
T. E. Odland .. . . .	1936
L. J. Stadler .. . . .	1937
H. K. Hayes .. . . .	1938
R. J. Garber .. . . .	1939
S. T. Dexter .. . . .	1940-

*American Nature Study Society*

E. Laurence Palmer .. . . .	1934
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*Phi Kappa Phi*

E. D. Merrill .. . . .	1934-
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*Illinois Academy*

George D. Fuller .. . . .	1937-38
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*Iowa Academy*

Joseph C. Gilman .. . . .	1934-
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*Louisiana Academy*

A. G. Plakidas .. . . .	1936-37
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*Minnesota Academy*

Harvey Elmer Stork .. . . .	1934
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*Nebraska Academy*

C. J. Shirk .. . . .	1935
J. E. Weaver .. . . .	1936-37

*New Hampshire Academy*

George F. Potter .. . . .	1938-39
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*Saint Louis Academy*

Carroll W. Dodge .. . . .	1937-
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*South Carolina Academy*

Velma D. Matthews..... 1938

*West Virginia Academy*

Perry D. Strausbaugh... 1934-36, 1939-

C R Orton..... 1937-38

*Wisconsin Academy*

N. C. Fassett ..... 1937-38

E. M. Gilbert..... 1939-

## ANTHROPOLOGY (H)

ELECTED BY THE SECTION

Adolph H. Schultz..... 1931-34

A. V. Kidder..... 1932-35

N. C. Nelson... .. 1933-36

William Duncan Strong..... 1934-37

\*Truman Michelson..... 1935-38

Robert Redfield..... 1936-39

Carl E. Guthe..... 1937-40

John M. Cooper..... 1938-41

Frank Speck..... 1939-42

Frank M. Setzler..... 1940-43

## ELECTED BY AFFILIATED SOCIETIES

*American Anthropological Association*

E. A. Hooton..... 1934-35, 1939

Bruno Oettking ..... 1934

Ales Hrdlicka..... 1935

Melville J. Herskovits..... 1936

Robert J. Terry..... 1936

\*Truman Michelson ..... 1937

H. L. Shapiro..... 1937

H. B. Collins, Jr..... 1938

Leslie A. White..... 1938

Cornelius Osgood..... 1939-

Clyde Kluckhohn..... 1940-

*Phi Beta Kappa*

Robert H. Lowie..... 1934

## PSYCHOLOGY (I)

ELECTED BY THE SECTION

Walter R. Miles..... 1931-34

Carl C. Brigham..... 1932-35

Karl M. Dallenbach..... 1933-36

Clark L. Hull..... 1934-37

J. F. Dashiell..... 1935-38

John P. Nafe..... 1936-39

Edward C. Tolman..... 1937-40

F. L. Wells..... 1938-41

E. A. Culler..... 1939-42

Samuel W. Fernberger..... 1940-43

## ELECTED BY AFFILIATED SOCIETIES

*American Psychological Association*

Donald G. Paterson..... 1934

\*Joseph Peterson ..... 1934

Walter R. Miles..... 1935-

Christian A. Ruckmick ..... 1935-38

John A. McGeoch..... 1939-

*Midwestern Psychological Association*

John A. McGeoch.. .. 1934

Florence Goodenough ..... 1935

A. G. Bills.... .. 1936

C. M. Louttit. .... 1937-

*Society for Research in Child  
Development*

Robert J. Terry..... 1936-

*Psychometric Society*

Henry E. Garrett ..... 1938-

*Western Society of Naturalists*

Calvin P. Stone..... 1936

SOCIAL AND ECONOMIC  
SCIENCES (K)

ELECTED BY THE SECTION

\*Henry Schultz..... 1931-34

Holbrook Working.... 1932-35, 1936-39

Harold Hotelling..... 1933-36

Griffith C. Evans..... 1934-37

Carl Snyder..... 1935-38, 1939-42

H. G. Moulton..... 1937-40

Stuart A. Rice..... 1938-41

Stanley Dodge..... 1940-43

## ELECTED BY AFFILIATED SOCIETIES

*Econometric Society*

W. A. Shewhart..... 1934

Charles F. Roos..... 1935-

*American Sociological Society*

F. Stuart Chapin..... 1934-37

George A. Lundberg..... 1938-

*American Statistical Association*

William F. Ogburn..... 1934-38

Stuart A. Rice..... 1939-

*American Library Association*

Joseph L. Wheeler..... 1934-

# HISTORICAL AND PHILOLOGICAL SCIENCES (L)

## ELECTED BY THE SECTION

George M. Bolling.....	1931-34
Kemp Malone.....	1932-35
W. B. Munro.....	1933-36
Melville J. Herskovits.....	1934-37
John W. Oliver.....	1935-38
George Sarton.....	1936-39
Max Farrand.....	1937-40
Alexander Pogo.....	1938-41
Henry E. Sigerist.....	1939-42
Tenney L. Davis.....	1940-43

## ELECTED BY AFFILIATED SOCIETIES

### *History of Science Society*

F. B. Dains.....	1934-
Joseph Mayer.....	1934-

### *Linguistics Society of America*

*Edward Sapir.....	1934-38
George Herzog.....	1940-

# ENGINEERING (M)

## ELECTED BY THE SECTION

William E. Wickenden.....	1931-34
Arthur E. Morgan.....	1932-35
*Calvin W. Rice.....	1933-36
A. A. Potter.....	1934-37
C. J. Tilden.....	1935-38
N. H. Heck.....	1936-39
F. L. Bishop.....	1937-40
J. W. Barker.....	1938-41

## ELECTED BY AFFILIATED SOCIETIES

### *American Society of Mechanical Engineers*

Ralph Earle .....	1934
W. S. Monroe.....	1934
John R. DuPriest.....	1935
A. S. Langsdorf.....	1935
George F. Bateman.....	1936
Crosby Field .....	1936
William A. Hanley.....	1937
G. W. Munro.....	1937
R. F. Gagg.....	1938-
R. L. Sackett.....	1938-

### *American Institute of Mining and Metallurgical Engineers*

W. B. Plank.....	1934
*Albert Sauveur .....	1934
Paul D. Foote.....	1935
F. N. Speller.....	1935

Harold L. Alling.....	1936
Q. D. Singewald.....	1936
Gustav Egloff .....	1937
J. R. Van Pelt.....	1937, 1940-
W. M. Corse.....	1938
Frank E. Lathe.....	1938
Oscar E. Harder.....	1939-
John L. Rich.....	1939

### *American Institute of Electrical Engineers*

C. A. Adams.....	1934
Charles Edward Skinner.....	1934
J. M. Bryant.....	1935
A. S. Langsdorf.....	1935
V. Karapetoff .....	1936
J. B. Whitehead.....	1936
C. C. Knipmeyer.....	1937
R. E. Nyswander.....	1937
Vannevar Bush.....	1938-
H. S. Osborne.....	1938-39
J. W. Barker.....	1940

### *American Society of Civil Engineers*

Charles T. Main.....	1934
Charles P. Price.....	1934
F. S. Merrill.....	1935
Harold A. Thomas.....	1935
F. W. Green.....	1936
Hermann Von Schrenk.....	1936
Ivan E. Houk.....	1937-
Arthur O. Ridgway.....	1937-

### *Illuminating Engineering Society*

E. C. Crittenden.....	1934-
*A. E. Kennelly.....	1934-36
J. W. Barker.....	1937

### *American Society for Testing Materials*

R. E. Davis.....	1934
Hermann Von Schrenk.....	1935-36
C. L. Warwick.....	1937-

### *American Ceramic Society*

Gordon Scott Fulcher.....	1934-36
W. J. McCaughey.....	1937
Ross C. Purdy.....	1938-

### *Institute of Radio Engineers*

J. C. Jensen.....	1934
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### *Society for the Promotion of Engineering Education*

F. L. Bishop.....	1934-35
H. B. Langille.....	1934-35
A. S. Langsdorf.....	1936
O. M. Leland.....	1936

Karl T. Compton.....1937-  
R. L. Sackett.....1937-

*Institute of Aeronautical Sciences*

Jerome C. Hunsaker.....1936-

*American Institute of the City  
of New York*

Robert T. Pollock.....1939-

*Missouri Academy of Science*

A. S. Langsdorf .....1936-37

MEDICAL SCIENCES (N)

ELECTED BY THE SECTION

Anton J. Carlson.....1931-34  
Victor C. Myers .....1932-35  
\*George H. Bigelow.....1933-36  
Willard C. Rappleye.....1934-37  
Walter B. Cannon.....1935-38  
Arno B. Luckhardt.....1936-39  
Paul R. Cannon.....1937-40  
C. A. Doan.....1938-41  
E. W. Goodpasture.....1939-42  
L. R. Dragstedt.....1940-43

ELECTED BY AFFILIATED SOCIETIES

*American Medical Association*

\*William H. Park .....1934-38  
George M. Piersol.....1934-  
Edwin P. Jordan.....1939-

*American Association of Anatomists*

C. H. Danforth.....1934-35  
Davenport Hooker.....1934-35  
George W. Corner.....1936  
J. Parsons Schaeffer.....1936, 1940-  
Burton D. Myers.....1937  
Ivan E. Wallin... ..1937  
H. E. Jordan.....1938-39  
C. C. Macklin.....1938  
Eben J. Carey.....1939  
Olof Larsell.....1940-

*Society of American Bacteriologists*

W. H. Manwaring.....1934  
Karl F. Meyer.....1934  
R. L. Kahn.....1935-37  
S. A. Waksman.....1935-36  
M. J. Rosenau.....1938-39  
Randle C. Rosenberger.....1940-

*American Public Health Association*

Kendall Emerson.....1934-36  
William H. Park.....1934-36

Clair E. Turner.....1937-  
Abel Wolman .....1937-

*Society for Experimental Biology  
and Medicine*

Karl F. Meyer.....1934  
T. H. Morgan.....1934  
E. A. Doisy.....1935  
Oscar Riddle .....1936  
McKeen Cattell .....1936  
G. H. A. Clowes.....1937  
Ivan E. Wallin.....1937  
J. B. Collip.....1938-  
H. E. Jordan .....1938-

*American Veterinary Medical Association*

Ward Giltner.....1934-

*American Roentgen Ray Society*

Robert R. Newell.....1934  
G. W. Grier.....1935  
Leo G. Rigler.....1936  
Raymond C. Beeler.....1937  
Howard Pirie .....1938  
Robert G. Allison.....1939-

*American Academy of Tropical Medicine*

Malcolm H. Soule.....1936

*American Division, International  
Association for Dental Research*

Thomas J. Hill.....1936-38  
Paul C. Kitchin.....1939-

*American Pharmaceutical Association*

John C. Krantz, Jr.....1934-37  
E. F. Kelly.....1938-  
Wortley F. Rudd.....1938  
Glenn L. Jenkins.....1939-

*American Society for Experimental  
Pathology*

E. B. Krumbhaar.....1936-  
Shields Warren.....1936-

*American Society of Biological Chemists*

Vincent du Vigneaud.....1937-  
P. A. Shaffer.....1937-

*American Physiological Society*

Philip Bard.....1937-38  
Henry C. Bazett.....1937-38  
Frank A. Hartman.....1939-  
Walter J. Meek.....1939-

*American Society of Pharmacology  
and Experimental Therapeutics*

Charles C. Johnson.....	1937
Harvey B. Haag.....	1938
R. L. Stehle.....	1938
D. E. Jackson.....	1939
M. H. Seevers.....	1939
Charles M. Gruber.....	1940-
A. E. Livingston.....	1940-

*American Academy of Ophthalmology  
and Otolaryngology*

Harry S. Gradle.....	1936-
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*American Psychiatric Association*

Franklin G. Ebaugh.....	1937-38
John C. Whitehorn.....	1939-

*Federation of American Societies for  
Experimental Biology*

G. Philip Grabfield.....	1938-
C. Glen King.....	1938-

*American Society of Parasitologists*

Elery R. Becker.....	1934-36
E. C. Faust.....	1937-39

*National Malaria Committee*

Mark F. Boyd.....	1940-
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*Alabama Academy*

Emmett B. Carmichael.....	1934-35
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*New Orleans Academy*

E. C. Faust.....	1936-
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*Virginia Academy*

Edgar C. L. Miller.....	1934-
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AGRICULTURE (O)

ELECTED BY THE SECTION

Joseph H. Gourley.....	1931-34
E. C. Auchter.....	1932-35
Walter P. Kelley.....	1933-36
F. J. Sievers.....	1934-37
Emil Truog.....	1935-38
R. M. Salter.....	1936-39
R. J. Garber.....	1937-40
Richard Bradfield.....	1938-41
H. C. Thompson.....	1939-42
W. A. Albrecht.....	1940-43

ELECTED BY AFFILIATED SOCIETIES

*American Society of Agronomy*

R. M. Salter.....	1934, 1940-
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W. A. Albrecht.....	1935
H. P. Cooper.....	1936
G. W. Conrev.....	1937
Emil Truog.....	1938
F. B. Smith.....	1939

*American Society for Horticultural  
Science*

W. H. Alderman.....	1934-37
J. K. Shaw.....	1934-37
C. H. Connors.....	1938
L. H. MacDaniels.....	1938
V. R. Gardner.....	1939
A. J. Heinicke.....	1939-
V. R. Boswell.....	1940-

*Society of American Foresters*

Harris Collingwood.....	1934
Henry I. Baldwin.....	1935-
C. F. Korstian.....	1937-

*Canadian Society of Technical  
Agriculturists*

H. Barton.....	1934-
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*American Society of Animal Production*

Paul E. Howe.....	1934-37
Elmer Roberts.....	1938-

*Society of American Bacteriologists*

S. A. Waksman.....	1934-37, 1940-
R. E. Buchanan.....	1938-39

*Minnesota Academy*

H. K. Wilson.....	1936-
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*North Carolina Academy*

C. F. Korstian.....	1934-35
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*Oklahoma Academy*

Horace James Harper.....	1934-36
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*South Carolina Academy*

G. H. Collings.....	1939
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EDUCATION (Q)

ELECTED BY THE SECTION

Truman Lee Kelley.....	1931-34
Walter S. Monroe.....	1932-35
M. R. Trabue.....	1933-36
Stuart A. Courtis.....	1934-37
A. I. Gates.....	1935-38
Ernest Horn.....	1936-39
E. J. Ashbaugh.....	1937-40
F. B. Knight.....	1938-41

Edward S. Evenden.....	1939-42
S. R. Powers.....	1940-43

ELECTED BY AFFILIATED SOCIETIES  
*National Education Association*

Otis W. Caldwell.....	1934-
J. W. Studebaker.....	1934-36
Florence E. Bamberger.....	1937-

*National Society of College Teachers  
of Education*

Stuart A. Curtis.....	1934-
F. C. Ensign.....	1934-

*National Society for the Study of  
Education*

M. R. Trabue.....	1934-36, 1938-
Guy M. Whipple.....	1934-35
W. S. Gray.....	1936
Frank N. Freeman....	1937
Ralph W. Tyler....	1937-

*Phi Beta Kappa*

William A. Shimer.....	1936-
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APPOINTED BY AFFILIATED  
ORGANIZATIONS<sup>1</sup>

Section on Mathematics.....	p. 97
Section on Physics.....	pp. 97-98
Section on Chemistry.....	pp. 98-99
Section on Astronomy.....	p. 99
Section on Geology and Geography .....	pp. 99-100
Section on Zoological Sciences..	pp. 100-101
Section on Botanical Sciences..	pp. 101-103
Section on Anthropology.....	p. 103
Section on Psychology.....	p. 103
Section on Social and Economic Sciences .....	p. 103
Section on Historical and Philological Sciences.....	p. 104
Section on Engineering.....	pp. 104-105
Section on Medical Sciences..	pp. 105-106
Section on Agriculture.....	p. 106
Section on Education.....	pp. 106-107

<sup>1</sup> Members of the Council elected or appointed by the Affiliated Societies, under the provision of Article 5 of the Constitution (page 61), are *ex officio* members of the Section Committees of the respective sections in whose fields their principal scientific interests lie.

## RESOLUTIONS PASSED BY THE COUNCIL, 1934-1940

### RESOLUTION FOR CONTINUANCE OF SCIENTIFIC WORK IN THE GOVERNMENT BUREAUS

*Adopted by the Council, April 15, 1934*

WHEREAS, The American Association for the Advancement of Science, comprising with affiliated American scientific societies a membership of a quarter of a million, exists because its members are convinced of the importance to America of the advancement of science and its useful applications in this country;

WHEREAS, The Bureau of Standards plays an essential and unique role in supplying American scientists with technical data and methods concerned with materials, measurements and standards which are essential to the progress of science and not otherwise available;

WHEREAS, This and other scientific bureaus of the Federal Government represent a great capital investment of money, work and scientifically trained men, as well as a prolific source of those elements essential to the national prosperity and welfare of the future;

WHEREAS, The permanent importance to this country of the continued work of the scientific bureaus maintained by the Federal Government is relatively far greater than the half of one per cent of the Federal budget allotted to these scientific bureaus would imply;

WHEREAS, The recent cuts in appropriation to these bureaus have crippled their work and disorganized their staffs so seriously as to impair their service and in large measure destroy that capital investment of money, work and men on which the future technical progress of the country depends; and

WHEREAS, A large part of the budgetary savings effected by these curtailments are false economies in that (1) the investment in some earlier work is lost, (2) some essential work is continued in a less efficient manner, (3) many former members of staffs of these bureaus are now maintained at government expense on emergency Federal projects of far less value and with far lower efficiency than that of the work from which they were dropped in the economy program and (4) the technical effectiveness of the country is receiving a blow from which it will take years at best to recover; therefore be it

RESOLVED, That the attention of those responsible for the administration of the federal affairs be called to these unfortunate aspects of the present situation in the scientific bureaus of the Government, and that they be requested to provide adequately for the continuation of such scientific work as is, in the opinion of qualified scientists and technical experts, essential to the national prosperity and not capable of or appropriate for efficient continuation by non-governmental agencies; and be it further

RESOLVED, That copies of this resolution be sent to the President of the United States, to the members of his Cabinet, to the Director of the Budget and to the Members of Congress, and that it be published in the official organ of this Association.

RESOLUTION REAFFIRMING THE RELATION OF THE AMERICAN ASSOCIATION  
FOR THE ADVANCEMENT OF SCIENCE TO HUMAN WELFARE

*Adopted by the Council, December 29, 1934*

WHEREAS, The objective of science is knowledge of man and of the world in which he lives; and

WHEREAS, Upon this knowledge is based man's opportunity to live more intelligently, to work more effectively and to experience greater comfort and satisfaction; and

WHEREAS, The justification of the work and purposes of the American Association for the Advancement of Science is found in the contributions of this work to human welfare; and

WHEREAS, The American Association for the Advancement of Science, founded in 1848 and incorporated in 1874, with its 18,000 members and 141 associated societies covering the entire field of pure and applied science including sociology, economics and education, and with its administrative offices in the Smithsonian Institution of Washington has been and is well and permanently organized to administer funds for the advancement of science; therefore be it

RESOLVED, That the American Association for the Advancement of Science is prepared to accept and administer additional funds for the advancement of science and the promotion of national welfare.

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## RESOLUTION FOR GOVERNMENTAL SUPPORT OF SCIENTIFIC WORK

*Adopted by the Council, December 29, 1934*

WHEREAS, Development and application of science have been basic to the economic and social progress of nations, making possible such movements as universal education, abolition of child labor and slavery, emancipation of women, insurance and pensions, moderate hours of labor and great improvement in the standards of health, comfort and satisfaction in living; and

WHEREAS, Scientific developments have not only conferred general social benefits, but in particular have been largely effective in leading to recovery from previous depressions,—as the railroad industry following the depression of 1870, the electric industry following that of 1896 and the automobile industry following that of 1907; and

WHEREAS, Scientific research is a productive investment proven by experience to yield a high rate of return, as illustrated by the saving of \$2,000,000,000 per year from the Bessemer Steel process and of over \$1,000,000 per day from the modern incandescent lamp, and as illustrated also by the entire chemical, electrical, communication, transportation and metallurgical industries and by the enormous employment in such industries; and

WHEREAS, Progressive foreign nations have recognized the importance of maintaining their scientific strength at a high productive level and have provided for this maintenance by allocation of funds to support scientific work on a national scale; and

WHEREAS, There now exists in America a situation demanding as never before an intelligent use of our national resources; and

WHEREAS, There are manifold problems in health, safety, agriculture, better use of resources, development of new products and processes whose social value and urgent need are unquestioned but whose solution is being seriously hampered by lack of funds for research, which have been greatly curtailed at this time when properly directed scientific work is more than ever needed; and

WHEREAS, The great national planning program, which is now under consideration for the use of our physical resources of soil, minerals and crops, will be seriously deficient unless it includes provisions for utilizing the scientific resources of the country for creative work; therefore be it

RESOLVED, That aggressive governmental support of scientific work is essential to any sound program of building for the future national welfare, and is essential if this country is to do its full part in the further advance of civilization and if it is to enjoy its proper share in the benefits of this advance; and be it further

RESOLVED, That copies of this resolution be sent to the President of the United States, to the members of his Cabinet and to the members of the Congress.

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### RESOLUTION OF APPROVAL OF AN ADEQUATE UNITED STATES BOTANICAL GARDEN

*Adopted by the Council, December 31, 1934*

RESOLVED, By the Council of the American Association for the Advancement of Science, that the efforts now being made to establish at Washington, D. C., an adequate United States Botanical Garden under effective scientific control be heartily approved.

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### RESOLUTION RECOMMENDING THE ADOPTION OF LEGISLATION ADEQUATE TO CONTROL POLLUTION OF PUBLIC WATERS

*Adopted by the Council, December 31, 1934*

WHEREAS, The degree of control of pollution of coastal and inland waters by domestic and industrial wastes which is essential for public health and national welfare has not yet been achieved and cannot be without further development and coordination of federal, state and local authority;

THEREFORE, Be it resolved that the American Association for the Advancement of Science, meeting at Pittsburgh, urgently recommend the enactment of legislation adequate to control pollution of public waters.

---

### RESOLUTION FOR A CAREFUL AND SANE REVISION OF THE PURE FOOD AND DRUG ACT

*Adopted by the Council, December 31, 1934*

RESOLVED, That the American Association for the Advancement of Science with more than 18,000 members and 141 associated societies and academies representing a total membership of more than 725,000 feels that there is a real need for a careful and sane revision of the Pure Food and Drug Act, which has served so effectively over a long period of time.

It seems reasonable and desirable that cosmetics should be included in any new bill which is presented, and that in order to safeguard adequately public health and public welfare, manufacturers, their salesmen or other agents, should be allowed to use in their advertising, printed, broadcasted or otherwise, only such statements as are not misleading and are essentially in accordance with fact.

RESOLUTION ON THE USE OF DOGS FOR MEDICAL EXPERIMENTATION  
IN THE DISTRICT OF COLUMBIA

*Adopted by the Council, December 31, 1930; Reaffirmed December 31, 1934*

The American Association for the Advancement of Science, which has repeatedly recorded its protest against the enactment of legislation prohibiting animal experimentation for scientific and medical purposes, hereby protests against the passage of House Bill 7884 in the present Congress prohibiting the use of dogs for medical experiments in the District of Columbia.

The circumstances under which this bill was favorably reported, as set forth in the minority report, make abundantly clear that this bill should be recommitted to the Committee on the District of Columbia for full and proper consideration by the members and for adequate presentation of objections by opponents of the bill.

This Association is in accord with the practically unanimous and often expressed authoritative voice of science and medicine that animal experimentation has conferred inestimable benefits upon mankind, as well as upon animals themselves, and is essential to the progress of the biological and medical sciences.

The history of medical discovery affords countless examples of the necessity for the use of dogs in certain kinds of experiments, as may be illustrated by the experiments leading to the recent discoveries of insulin in the treatment of diabetes and of liver extract in the treatment of pernicious anaemia.

The conditions under which animal experimentation is conducted in the government and medical laboratories in the District of Columbia afford every safeguard against the infliction of unnecessary suffering upon the animals.

No legislation of the character proposed in this bill has ever been enacted in spite of the efforts of antivivisectionists in this country and abroad for many years.

This Association with a membership of over nineteen thousand, and representative of all the sciences of nature and of man, is confident that if the members of Congress become fully informed of the injury which would be inflicted upon the progress of curative and preventive medicine by such legislation, H. R. Bill 7884 will not receive their favorable consideration.

RESOLUTION FOR THE CONTINUANCE IN THE DEPARTMENT OF  
AGRICULTURE OF THE LAND UTILIZATION AGENCIES

*Adopted by the Executive Committee by Authority of the Council, December 31, 1934*

RESOLVED, By the American Association for the Advancement of Science, that any reorganization of the United States Government agencies should provide for the continuance in the Department of Agriculture of the land utilization agencies now there, including the Bureau of Chemistry and Soils, Forest Service, Biological Survey, and the addition of such other agencies as have to do with the agricultural, forest, or range use of the public domain or the protection thereof from erosion.

RESOLUTION ON THE UNITED STATES FOREST SERVICE AS A PART OF THE  
UNITED STATES DEPARTMENT OF AGRICULTURE

*Adopted by the Executive Committee by Authority of the Council, December 31, 1934*

RESOLVED, By the American Association for the Advancement of Science, that any governmental reorganization planned should provide that the United States Forest Service remain, as at present a part of the United States Department of Agriculture.

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RESOLUTION ON THE SCIENCE ADVISORY BOARD APPOINTED BY THE  
PRESIDENT OF THE UNITED STATES

*Adopted by the Executive Committee by Authority of the Council, December 31, 1934*

RESOLVED, That the Council of the American Association for the Advancement of Science, with more than 18,000 members and 141 associated societies and academies representing a total membership of more than 725,000, appreciates the judgment of the President of the United States in appointing a Science Advisory Board and hopes that all problems of the Government involving scientific problems be referred to this Board for its recommendation before action is taken.

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RESOLUTION APPROVING AND ENDORSING THE PROGRAM OF THE  
QUETICO-SUPERIOR COUNCIL

*Adopted by the Executive Committee by Authority of the Council, June 28, 1935*

RESOLVED, That the Council of the American Association for the Advancement of Science, meeting in Minneapolis, June 24 to 29, 1935, reaffirms its previous action in approving and endorsing the program of the Quetico-Superior Council.

The project of an international park, sponsored by that organization, if carried through, will preserve for all time the scientific, recreational, and inspirational values of a unique wilderness area and will, at the same time, constitute a close link between two friendly nations.

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RESOLUTION ON CALENDAR REFORM

*Adopted by the Executive Committee by Authority of the Council, December 30, 1935*

WHEREAS, This association is already on record as approving a simplification of the calendar; and

WHEREAS, The League of Nations in 1931 proposed two plans for serious consideration: one, the 13-month plan; the other, the 12-month equal-quarters plan known as the World Calendar; and

WHEREAS, The 12-month equal-quarter plan has the advantages of a minimum of disturbance of the present system and greater flexibility in subdivision of the year; be it therefore

RESOLVED, That the American Association for the Advancement of Science hereby approves the 12-month equal quarters plan for the simplification of the calendar.

---

A RESOLUTION ON SIMPLIFICATION OF PATENT PROCEDURE

*Adopted by the Executive Committee by Authority of the Council, December 31, 1935*

WHEREAS, The progress of science has greatly elevated the standard of living of the

American people, and given useful employment to millions; and

WHEREAS, For greatest benefit the applications of science in industry should be facilitated and encouraged; and

WHEREAS, The founders of this Republic instituted a patent system to encourage progress in science and useful arts, which has been a powerful aid in this respect, and which should be strengthened and maintained; and

WHEREAS, The increasing complexity of science and its applications places a great burden upon the patent office and the courts in their administration of the patent system; and

WHEREAS, The Science Advisory Board has recommended alterations in the patent system to enable it to operate more effectively for the benefit of the American inventor and the American public, which recommendations contemplate simplification of the process of litigation, scientific and technical advice to courts in the consideration of patent matters, and steps to raise the standard of invention,

NOW, THEREFORE, Be it resolved, that this Council expresses the readiness of the scientific men of this country to aid in worthy moves to render the Patent System of greatest benefit to the American Public; and

That this Council endorses the recommendation of the Science Advisory Board that the processes of patent litigation be simplified, in order that expense and delay may be reduced, by prompt, enlightened decision of patent cases by a single Court of Patent Appeals; and

That this Council endorses also the recommendation that adequate scientific and technical advice, on a high plane, be made available to this court and to all courts dealing with the intricate technical problems involved in modern patent cases; and

That this Council endorses the principle that the standard of invention should be raised, and recommends careful attention to this problem on the part of those charged with the administration of the Patent Office.

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## A RESOLUTION ON INTERNATIONAL BIOLOGICAL ABSTRACTS

*Adopted by the Executive Committee by Authority of the Council, December 30, 1935*

WHEREAS, The American Association for the Advancement of Science has cooperated with the National Academy of Sciences and the National Research Council in the organization and development of International Biological Abstracts through the Union of Biological Societies; and

WHEREAS, Great progress has been made in the development of international cooperation among biologists in support of this project; and

WHEREAS, The Rockefeller Foundation has generously aided this project since its beginning ten years ago and has expressed its hearty satisfaction and approval of the work thus far accomplished;

WHEREAS, The results of a decade of intensive and largely gratuitous work by many biologists represented by the ten volumes of abstracts now nearing completion constitute one of the most noteworthy achievements of the Foundation;

THEREFORE, The Council of the American Association for the Advancement of Science, with its 152 associated societies representing more than one-half a million men and women of science, both in this country and abroad, urges that every possible effort be made to continue this highly important and significant undertaking and hopes that the Rockefeller Foundation will find it possible to provide for permanent continuation of International Biological Abstracts.

A RESOLUTION CONCERNING UNAUTHORIZED USE OF THE NAME OF  
THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE  
AND CONCERNING SCIENTIFIC ETHICS AND GOOD TASTE

*Adopted by the Executive Committee by Authority of the Council, December 30, 1935*

RESOLVED, That the American Association for the Advancement of Science does not allow the unauthorized use of its name by any individual in connection with any type of promotional enterprise or advertising. Furthermore, this Association deplores certain tendencies of some individuals and organizations to exploit science for the purposes of gain through the public press, radio, and other forms of publicity in a manner not consistent with fundamental scientific ethics and good taste.

---

A RESOLUTION ON SAVE-KENTUCKY'S-PRIMEVAL-FOREST-LEAGUE

*Adopted by the Executive Committee by Authority of the Council, January 1, 1936*

The Council of the American Association for the Advancement of Science approves the formation of unofficial councils of representative citizens, such as "Save-Kentucky's-Primeval-Forest-League" with the objective of securing local, state, or federal action in the preservation of important examples of America's diverse types of vegetation with their accompanying fauna. These areas should be carefully selected with competent scientific advice and preserved either through local, state, or national agencies.

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A RESOLUTION ON THE DUTCH ELM DISEASE

*Adopted by the Executive Committee by Authority of the Council, January 2, 1936*

RESOLVED, That the Council of the American Association for the Advancement of Science strongly endorses the efforts of Federal and State agencies to prevent the introduction of plant diseases and injurious insects from other countries and to combat most vigorously such diseases and injurious insects as have already entered the United States, especially at this time, the Dutch Elm Disease.

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A RESOLUTION ON THE PROBLEMS OF PLANT QUARANTINES

*Adopted by the Executive Committee by Authority of the Council, January 2, 1936*

RESOLVED, That the American Association for the Advancement of Science endorses the resolution of the Sixth International Botanical Conference held at Amsterdam, Holland, as follows:

That an effective and unceasing campaign against destructive plant diseases and insect pests can be successfully prosecuted only by international action and mutual cooperation;

That close and frequent international discussion of the problems of plant quarantines should take place to bring about improvement of the health conditions of plants and plant products offered for export;

That it unanimously recognizes that such action will greatly facilitate international trade in the commodities concerned; and

That, finally, this resolution be brought to the attention of the League of Nations, em-

phatically endorsing the League's proposal to give this matter urgent and careful consideration with a view to facilitating and expediting the purpose and aims of this resolution.

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### A RESOLUTION ON THE PAN-AMERICAN INSTITUTE OF GEOGRAPHY AND HISTORY

*Adopted by the Executive Committee by Authority of the Council, June 16, 1936*

Inasmuch as the Pan-American Institute of Geography and History has undertaken to study and promote the protection of those natural areas in the Americas which represent unique present and future scientific, economic, intellectual, or spiritual values; and

Inasmuch as a committee has been appointed by the Pan-American Institute to establish and maintain contacts with the various governments in the Americas which through their representatives have approved the resolution;

BE IT RESOLVED, That the American Association for the Advancement of Science hereby records its approval of this plan and pledges its support in all feasible ways to the achievement of its purpose.

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### A RESOLUTION ON THE MAINTENANCE OF THE HIGHEST STANDARDS IN THE SYSTEM OF NATIONAL PARKS OF THE UNITED STATES

*Adopted by the Council, December 28, 1927; reaffirmed June 25, 1937*

RESOLVED, That the American Association for the Advancement of Science

Approves the creation of those national parks only which meet the highest standards of the System, namely, which are wholly or almost wholly areas of original, unmodified natural conditions, each a unique example of its landscape or geologic type in the country; and

Declares that, as the only reservational system for preservation of the primitive and majestic in nature, the protection inviolate of the system of national parks demands extraordinary watchfulness and care; and

Recognizes that, by reason of its peculiar limitations and conditions, the system of national parks possesses facilities for popular education in nature and for inspiration, which have incalculable value to individuals and the nation.

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### RESOLUTION FOR THE CONTINUANCE IN THE DEPARTMENT OF AGRICULTURE OF THE LAND UTILIZATION AGENCIES

*Adopted by the Council, December 29, 1937*

RESOLVED, That the American Association for the Advancement of Science reaffirm its position on the status of federal land utilization agencies as expressed in the resolution adopted at its Pittsburgh meeting in December, 1934, namely:

That any reorganization of United States Government agencies should provide for the continuance in the Department of Agriculture of the land utilization agencies now there, including the Bureau of Agricultural Economics, Bureau of Chemistry and Soils, Soil Conservation Service, Forest Service, Bureau of Biological Survey, and the addi-

tion of other agencies concerned with renewable resources, such as the agricultural, forest, or range use of the public domain or the protection thereof from erosion.

Be it further resolved that all positions in these Bureaus should be retained under the existing Classified Civil Service without exception, because of their policy-determining nature.

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### A RESOLUTION ON THE PRESERVATION OF YELLOWSTONE NATIONAL PARK

*Adopted by the Executive Committee by Authority of the Council, December 31, 1937*

WHEREAS, A proposal has been laid before the National Resources Committee of the United States Government that plans be prepared for the commercial utilization of the waters of Yellowstone Lake, situated in Yellowstone National Park;

WHEREAS, Operations incident to such utilization would inevitably result in destroying or irreparably damaging many of the most unique and significant primeval, scenic and recreational features of the Park;

WHEREAS, Yellowstone National Park was established by act of Congress "for the benefit and enjoyment of the people"; and

WHEREAS, That act specifically pledged the Nation to protect from injury or spoliation all timber, mineral deposits, natural curiosities and wonders within the Park and to provide for their retention in natural condition; now

THEREFORE, The American Association for the Advancement of Science hereby places on record its unqualified disapproval and unalterable opposition to each and every project that might threaten to injure Yellowstone National Park in any way whatsoever;

The American Association for the Advancement of Science also appeals to the National Resources Committee, as well as to all other government agencies and officers concerned in the control of Yellowstone National Park, and urges the prompt rejection of all such projects, to the end that the nation's pledge shall be kept and this magnificent primeval area with its many unique features shall be preserved inviolate for coming generations.

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### RESOLUTION ON THE IMPORTANCE OF ANIMAL EXPERIMENTATION IN THE STUDY OF DISEASES

*Adopted by the Council, December 30, 1937*

The American Association for the Advancement of Science, recognizing the important role of animal experimentation in the study of diseases, especially those of childhood, and in the perfecting of those procedures and treatments to which no small part of our community owes its life and continued presence among us, regards with apprehension the activities of certain groups which are attempting to prevent the use of unclaimed animals for study in qualified institutions of medicine and research and which are endeavoring by direct and indirect means to cut off the supply of animals needed in the production of antitoxins and other biologic products.

This Association is in accord with the practically unanimous and often expressed authoritative voice of science and medicine that animal experimentation has conferred inestimable benefits upon mankind, as well as upon animals themselves, and is essential to the progress of the biological and medical sciences.

This Association, with a membership of over eighteen thousand and representative of all the sciences of nature and of man, is confident that a fully informed public will not support legislation which would seriously interfere with the progress of preventive and curative medicine.

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### RESOLUTION ON SCIENCE AND SOCIETY

*Adopted by the Council, December 30, 1937*

WHEREAS, Science and its applications are not only transforming the physical and mental environment of men but are adding greatly to the complexities of their social, economic and political relations; and

WHEREAS, Science is wholly independent of national boundaries and races and creeds and can flourish permanently only where there is peace and intellectual freedom; now

THEREFORE, Be it resolved by the Council on this 30th day of December, 1937, that the American Association for the Advancement of Science makes as one of its objectives an examination of the profound effects of science upon society; and that the Association extends to its prototype, the British Association for the Advancement of Science, and to all other scientific organizations with similar aims throughout the world, an invitation to cooperate not only in advancing the interests of science but also in promoting peace among nations and intellectual freedom in order that science may continue to advance and to spread more abundantly its benefits to all mankind.

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### RESOLUTION ON THE COOPERATION OF INDUSTRIES AND INDUSTRIAL LABORATORIES WITH OTHER LABORATORIES AND RESEARCH ORGANIZATIONS

*Adopted by the Executive Committee by Authority of the Council, June 27, 1938*

RESOLVED, That, in order to bring industries and industrial laboratories into closer relations with other laboratories and research organizations for the purpose of advancing the interests of science, the American Association for the Advancement of Science now formulates and adopts the following plan:

The Association, upon recommendation of its Executive Committee and approval by its Council, will accept and administer funds given in support of specific researches in designated laboratories or research organizations, under the condition that, if the investigations supported by the funds shall lead to patentable inventions or discoveries, the investigators shall take out and assign to the Association patents on the inventions or discoveries at the expense of the respective donors of the funds; and the Association will either assign the patent subject to usual and reasonable royalties, to the donor of the funds (or grant the donor of the funds an exclusive license under the patent or patents), subject to usual and reasonable royalties, (such exclusive license to be in no case for a period of less than three years from date on which the patent is granted or the product is marketed, whichever is the later date.) The Association will use any royalties so received in the support of such research as it may determine, and it reserves the right to waive the royalties whenever it deems such action to be in the public interest in the use of the products or processes covered by the patents which it assigns.

## RESOLUTION ON HONORARY JUNIOR MEMBERSHIP

*Adopted by the Council, June 28, 1938*

RESOLVED, That the officers of the Association be authorized and instructed to offer to each of the affiliated Academies of Science the privilege of nominating for annual Honorary Junior Membership in the Association one boy and one girl from its junior academy or, if it has no junior academy, from junior science clubs within its territory; and that the Association in thus providing for Honorary Junior Memberships shall arrange that during the period of honorary membership the honorary junior member shall pay no entrance fee or dues, shall receive a suitable certificate of membership, the four copies of Science containing the preliminary announcements and reports of the meetings, the programs of the meetings; and also Science News Letter provided through the courtesy of Science Service.

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## RESOLUTION SUPPORTING THE HOLDING OF INTERNATIONAL CONGRESSES

*Adopted by the Council, June 27, 1938*

WHEREAS, The American Association for the Advancement of Science, realizing the fact that the holding of International Congresses or meetings for the purpose of discussing science and human welfare serves fundamentally to advance understanding among the nations, hereby approves in principle lending its influence and support to further the plans of such congresses or meetings when arranged or sponsored by any of its affiliated societies or other organizations of corresponding standing.

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## RESOLUTION IN MEMORIAL TO EARL BALDWIN MCKINLEY

*Approved by the Council, December 27, 1938*

In the death of Earl Baldwin McKinley science in America suffered an irreparable loss. When on July 29 the Hawaiian Clipper disappeared in the China Sea, it brought to a tragic and untimely end the life of this able and devoted worker who had rendered signal services in his own country and in distant lands to the advancement of science and to the conquest of disease.

Trained in arts and medicine at the University of Michigan by distinguished teachers and investigators, McKinley was drafted into the faculty of the university even before he had received the medical degree. Rapidly new opportunities offered themselves to him. Research in the tropics of Orient and Occident made him familiar at first hand with the great plagues of man. A keen observer and able interpreter, he promptly won recognition and support for his research projects. With breadth of vision granted only to the few, he sensed intuitively the significant lines of attack on great problems in bacteriology, tropical medicine and public health.

While he gave distinguished services to several universities in this country, he spent a large part of a short but eventful life in the tropics; and only a year ago returned from a sabbatical year devoted to experimental work on leprosy. His last great venture sought to determine the influence of upper air currents in the transportation and dispersal of disease germs. Suddenly with the epoch making flight westward nearly completed, and in the company with another distinguished scientist and member of the American Association, Fred C. Meier, some unknown disaster closed the record. In

sight of success he went down to glorious defeat in the great struggle of the human race for freedom from the bondage of disease.

A loyal friend, a genial and vigorous fighter for high ideals, never turned from his purpose by narrow criticism, animated by the constant desire to make the world he knew a better place to live in, McKinley left his mark on many undertakings in science, education and social advancement. The Executive Committee of the American Association for the Advancement of Science, to the work of which he had unselfishly and generously devoted much time and energy, wishes through this tribute to bear testimony to his services for the cause of science and for the welfare of man. All his fellow workers wish to join also in expressing to his family heartfelt sympathy and condolence.

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#### RESOLUTION ON THE COOPERATION OF THE SMITHSONIAN INSTITUTION

*Adopted by the Council, December 29, 1938*

The American Association for the Advancement of Science at its annual meeting in Richmond places on record its appreciation of the cooperation of the Smithsonian Institution and of its distinguished secretaries, the late Charles D. Walcott and the present secretary, Dr. C. G. Abbot. The Smithsonian Institution has since 1907 provided rooms in its building for the headquarters of the Association, free of all charge for rent or incidental expenses, and in December, 1928, increased the space to meet the growing needs of the Association.

The Association may look forward to a building of its own which might provide headquarters also for the national scientific societies affiliated with it; but this will require large funds. In the meanwhile the Association is most fortunate in its present location and address. The Smithsonian Institution is a national and international foundation, unique in its origin, its control and its history. On its seal its objects are stated in the classic words: "For the increase and diffusion of knowledge among men." The objects of the American Association for the Advancement of Science are the same; these great organizations can to advantage work together for their attainment.

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#### RESOLUTION ON THE MENACE OF STREAM POLLUTION

*Adopted by the Council, December 30, 1939*

The menace of stream pollution has already been given careful consideration and the American Association for the Advancement of Science has expressed its views that any legislation should include provision for reasonable control by constituted authority. At present the Mundt bill as amended is the only measure yet proposed which conforms to that consideration.

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#### RESOLUTION OF APPRECIATION TO THE NATIONAL ASSOCIATION OF SCIENCE WRITERS

*Adopted by the Council, December 30, 1939*

The Council of the American Association for the Advancement of Science expresses its obligation and appreciation to The National Association of Science Writers. By the efforts of its members to disseminate through the newspapers accurate news of

progress in all fields of science this organization has become a most important agency in changing the picture of science in the public mind, and is performing a distinctive service to science and the public.

The services of this specially trained group of men and women are unique in the history of journalism and of popular education. Their efforts in bringing before the attention of the world the proceedings of the annual summer and winter meetings of the American Association for the Advancement of Science, as well as of the proceedings of other scientific bodies, have proved not only of great value to the public but also to the scientists themselves individually and collectively.

The National Association of Science Writers is keenly aware of the importance of Science as the greatest potential force for the betterment of man, and has worked untiringly to make the scientists themselves aware of their social responsibility as the builders of man's future. By keeping the world at large constantly informed of the important developments in pure and applied science they accomplish a three-fold purpose—spread knowledge to the millions, materially reduce the lag between discovery and application, and give greater impetus to research.

SUMMARIZED PROCEEDINGS

For the Calendar Year 1934

*Volume LXXXVII*



## SUMMARIZED PROCEEDINGS FOR 1934

The Association held two meetings in the calendar year 1934, a joint meeting with the Pacific Division at Berkeley, Calif., June 17-20, and the annual meeting at Pittsburgh, Pa., Dec. 27, 1934 - Jan. 2, 1935. The Pacific Division had previously met in Berkeley twice, in 1921 and in 1929. The Association had held two earlier meetings in Pittsburgh, the first in 1902 and the second in 1918. The Southwestern Division held a joint meeting with the Texas Academy of Science at Lubbock, Texas, April 30 - May 3, 1934.

At the Berkeley meeting the registration was 1164 and 863 addresses and papers were on the programs; at Pittsburgh 2823 persons were registered and 1550 addresses and papers were delivered or read. At the close of the fiscal year 1934 (Sept. 30) the membership of the Association was 18,553; of the Pacific Division, 1856; and of the Southwestern Division, 258.

## OFFICERS OF THE ASSOCIATION FOR 1934

*President.* Edward L. Thorndike (psychology), Columbia University.

*Retiring President.* Henry Norris Russell (astronomy), Princeton University.

*Permanent Secretary.* Henry B. Ward, University of Illinois.

*General Secretary.* Burton E. Livingston, Johns Hopkins University.

*Treasurer.* John L. Wirt, Washington, D. C.

*Secretary of the Council.* Charles A. Shull, University of Chicago.

*Executive Assistant.* Sam Woodley, Washington, D. C.

*Auditor.* W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

*Director of Press Service.* Austin H. Clark, National Museum, Washington, D. C.

*Director of the Annual Science Exhibition.* F. C. Brown, Washington, D. C.

*Members of the Executive Committee* (page 95)

*Members of the Finance Committee* (page 95)

*Members of the Committee on Grants* (page 95)

*Members of the Council* (pages 95 and 92-94)

*Section Officers* (pages 92-94)

## OFFICERS OF THE PACIFIC DIVISION

(For the fiscal year June, 1933 - June, 1934)

*President.* Joel H. Hildebrand (chemistry), University of California.

*Secretary.* J. Murray Luck, Stanford University, Calif.

*Council Representative.* E. G. Martin, Stanford University, Calif.

#### OFFICERS OF THE SOUTHWESTERN DIVISION

(*For the fiscal year April, 1933 - April, 1934*)

*President.* Oliver C. Lester (physics), Colorado Carnotite Company.

*Secretary.* E. F. Carpenter, University of Arizona, Tucson, Ariz.

*Council Representative.* Forrest Shreve, Desert Laboratory, Tucson, Ariz.

#### THE BERKELEY MEETING, JUNE 18-23, 1934

(*The 94th meeting of the Association and the 18th meeting of the Pacific Division*)

#### OFFICERS OF THE LOCAL COMMITTEE

R. E. Clausen, *chairman*; A. R. Davis, *secretary*; L. A. Nichols, *treasurer*

#### PARTICIPATING SOCIETIES

##### *Affiliated with Section on Mathematics*

American Mathematical Society (14 + 4 papers<sup>1</sup>)

##### *Affiliated with Section on Physics*

American Physical Society (53 + 5 papers)

American Meteorological Society (37 papers)

##### *Affiliated with Section on Chemistry*

American Chemical Society, Pacific Intersectional Division (53 papers)

Phi Lambda Upsilon

##### *Affiliated with Section on Astronomy*

Astronomical Society of the Pacific (40 + 5 papers)

Society for Research on Meteorites (11 papers)

##### *Affiliated with Section on Geology and Geography*

Committee on the Oceanography of the Pacific

##### *Affiliated with Section on Zoological Sciences*

Western Society of Naturalists (39 + 14 papers)

American Society of Ichthyologists and Herpetologists, Western Division (15 papers)

American Association of Economic Entomologists, Pacific Coast Branch (41 + 13 papers)

<sup>1</sup> The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Entomological Society of America (5 papers)  
American Society of Parasitologists (8 + 6 papers)  
Pacific Coast Entomological Society (0 + 5 papers)  
Lorquin Entomological Club (0 + 5 papers)  
Committee on the Oceanography of the Pacific  
San Francisco Aquarium Society (5 papers)

*Affiliated with Section on Botanical Sciences*

Botanical Society of America (16 + 46 papers)  
American Phytopathological Society, Pacific Division (40 papers)  
American Society of Plant Physiologists (0 + 32 papers)

*Affiliated with Sections on Zoological and Botanical Sciences*

Genetics Society of America (14 + 5 papers)  
Ecological Society of America (13 papers)

*Affiliated with Section on Anthropology*

American Anthropological Association, Pacific Division (36 papers)

*Affiliated with Section on Psychology*

Western Psychological Association (68 + 3 papers)

*Affiliated with Section on Social and Economic Sciences*

Econometric Society (0 + 18 papers)  
American Statistical Association (0 + 8 papers)  
Western Farm Economic Association (17 papers)

*Affiliated with Section on Historical and Philological Sciences*

History of Science Society (0 + 10 papers)  
Linguistic Society of America (0 + 10 papers)

*Affiliated with Section on Engineering*

American Society of Mechanical Engineers (42 papers)  
American Geophysical Union, Hydrology Section, and  
American Society of Agricultural Engineers, Pacific Coast Section (13  
papers)  
Western Inter-State Snow Survey Conference (7 papers)

*Affiliated with Section on Medical Sciences*

Society for Experimental Biology and Medicine, Pacific Coast Branch  
(23 papers)  
California State Veterinary Medical Association (11 + 8 papers)

*Affiliated with Section on Agriculture*

Western Society of Soil Science (31 papers)

American Society of Agronomy, Western Branch (17 + 7 papers)

## GENERAL SESSIONS

Joel H. Hildebrand, University of California. "The Liquid State." (Address as president of the Pacific Division.)

L. Dudley Stamp, London School of Economics. "Planning the Land of the Future." (Third Hector Maiben Memorial lecture.) *Science* 80: 507-512. 1934.

J. C. Merriam, president of Carnegie Institution of Washington. "Responsibility of Science with Relation to Government Problems." *Science* 80: 597-601. 1934.

Edwin B. Wilson, Harvard School of Public Health. "Are There Periods in American Business Activity?" *Science* 80: 193-199. 1934.

Karl T. Compton, president of Massachusetts Institute of Technology. "Science and Prosperity." *Science* 80: 387-394. 1934.

## SYMPOSIA

"Nuclear Structure" (6 papers). American Physical Society.

"Fundamental Physical Constants" (6 papers). American Physical Society.

"The Protozoan Life Cycle" (4 papers). The Western Society of Naturalists.

"The Origin and Development of North Pacific Floras" (7 papers). Section on Botanical Sciences.

"A Survey and Evaluation of the Present Status of Endocrine Investigations" (3 papers). Section on Medical Sciences.

"Can Personality Be Measured?" (9 papers). Western Psychological Association and Section on Education.

"Weed Control" (7 papers). Section on Agriculture and American Society of Agronomy.

"Phosphate" (7 papers). Western Society of Soil Science.

"Investigations Bearing on Reading" (4 papers); "Investigations in Subjects Other Than Reading" (4 papers); "Investigations Bearing on Maturation" (3 papers); "Investigations Bearing on Leadership and Responsibility in Schools" (4 papers); "Investigations Bearing on Guidance" (3 papers). Section on Education.

## ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcements and Notices. *Science* 79: 396-402, 406, 499-500, 519, 536. 1934.

Permanent Secretary's general report, including reports of secretaries of the sections and of the participating societies. Science 80: 43-62. 1934.

Willis Ray Gregg. "Progress in Development of the United States Weather Bureau Service in Line with the Recommendations of the Science Advisory Board." Science 80: 349-351. 1934.

## THE PITTSBURGH MEETING, DEC. 27, 1934 - JAN. 2, 1935

*(The 95th meeting of the Association and its 3d meeting at Pittsburgh)*

### OFFICERS OF THE LOCAL COMMITTEE

Thomas S. Baker, *chairman*; Davenport Hooker, *vice chairman*  
E. K. Collins, *secretary*; C. B. Fergus, *treasurer*

### PARTICIPATING SOCIETIES

#### *Affiliated with Section on Mathematics*

American Mathematical Society (75 + 10 papers<sup>1</sup>)  
Mathematical Association of America (6 + 9 papers)  
National Council of Teachers of Mathematics (7 + 3 papers)

#### *Affiliated with Section on Physics*

American Physical Society (77 + 17 papers)  
American Association of Physics Teachers (12 + 6 papers)  
Acoustical Society of America (12 + 3 papers)  
American Meteorological Society (28 papers)

#### *Affiliated with Section on Chemistry*

American Chemical Society, Pittsburgh Section (0 + 21 papers)  
Phi Lambda Upsilon, Xi Chapter (no papers)

#### *Affiliated with Section on Zoological Sciences*

American Society of Zoologists (90 + 11 papers and demonstrations)  
Entomological Society of America (41 + 12 papers)  
American Association of Economic Entomologists (124 papers)  
American Society of Parasitologists (47 + 7 papers)  
Wilson Ornithological Club (38 papers)

#### *Affiliated with Section on Botanical Sciences*

Botanical Society of America (75 + 11 papers)  
American Phytopathological Society (105 + 15 papers)

<sup>1</sup> The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Mycological Society of America (22 + 15 papers)

American Fern Society (4 papers)

Sullivant Moss Society (7 papers)

*Affiliated with Sections on Zoological and Botanical Sciences*

American Society of Naturalists (5 papers)

Ecological Society of America (10 + 27 papers)

Genetics Society of America (45 + 3 papers)

American Microscopical Society (no papers)

Committee on Hydrobiology and Agriculture, National Research Council (15 papers)

*Affiliated with Section on Anthropology*

American Anthropological Association (55 papers)

American Folk-Lore Society (Section and societies jointly, 55 papers)

*Affiliated with Section on Social and Economic Sciences*

Econometric Society (6 + 7 papers)

Metric Association (papers not listed in general program)

*Affiliated with Section on Medical Sciences*

American College of Dentists (12 papers)

*Affiliated with Section on Agriculture*

American Society of Agronomy, Northeastern Section (4 + 6 papers)

American Society for Horticultural Science (173 + 14 papers)

Potato Association of America (22 + 17 papers)

Society of American Foresters (0 + 7 papers)

Crop Protection Institute (papers not listed in general program)

*Affiliated with Section on Education*

Pi Lambda Theta, National Education Fraternity for Women

Kappa Delta Pi, Honor Society in Education

Phi Delta Kappa Fraternity

*Science in General*

Society of the Sigma Xi

American Nature Study Society

Gamma Alpha Graduate Scientific Fraternity

Pi Gamma Mu, National Social Science Honor Society

Sigma Delta Epsilon, Women's Graduate Scientific Fraternity

## GENERAL SESSIONS

Henry Norris Russell, Princeton University. "The Atmospheres of the Planets." (Address of retiring president.) *Science* 81: 1-9. 1935.

William Alanson White, Superintendent, St. Elizabeth's Hospital, Washington, D. C. "Man, the Great Integrator." *Science* 81: 237-243. 1935.

Earnest Albert Hooton, Harvard University. "Homo Sapiens, Whence and Whither." (Thirteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 23, No. 1. 1935.

Arthur B. Lamb, Harvard University. "Crystallogenic Adsorbents." (Address of retiring vice president for the Section on Chemistry.)

Charles F. Kettering, president of General Motors Research Corporation. "Some Future Problems of Science and Engineering." (Address of retiring vice president for the Section on Engineering.)

Cyrus C. Sturgis, University of Michigan. "Review of Some of the More Recent Advances in the Study of Blood Diseases." (Address of retiring vice president for the Section on Medical Sciences.) *Science* 81: 368-371. 1935.

Albert Einstein, Institute for Advanced Study, Princeton, N. J. "An Elementary Proof of the Theorem Concerning the Equivalence of Mass and Energy." (Eleventh Josiah Willard Gibbs lecture.)

## ADDRESSES OF VICE PRESIDENTS

*Section on Mathematics.* C. N. Moore, University of Cincinnati. "Mathematics and Science." *Science* 81: 27-32. 1935.

*Section on Physics.* C. J. Davisson, Technical Staff of Bell Telephone Laboratories. "Electron Optics."

*Section on Chemistry.* Arthur B. Lamb, Harvard University. "Crystallogenic Adsorbents."

*Section on Astronomy.* V. M. Slipher, Lowell Observatory, Flagstaff, Arizona. "The Atmospheres of the Planets as Inferred from their Spectra."

*Section on Geology and Geography.* Rollin T. Chamberlin, The University of Chicago. "Certain Aspects of Geologic Classifications and Correlations." *Science* 81: 183-191, 216-218. 1935.

*Section on Zoological Sciences.* George L. Streeter, Carnegie Institution, Baltimore. "The Education of an Anatomist."

*Section on Botanical Sciences.* K. M. Wiegand, Cornell University. "A Taxonomist's Experience with Hybrids in the Wild." *Science* 81: 161-166. 1935.

*Section on Anthropology.* T. Wingate Todd, Western Reserve University. "Anthropology and Growth." *Science* 81: 259-263. 1935.

*Section on Psychology.* Walter R. Miles, Yale University. "Training, Practice and Mental Longevity." *Science* 81: 79-87. 1935.

*Section on Social and Economic Sciences.* Wesley C. Mitchell, Columbia University. "The Social Sciences and National Planning." *Science* 81: 56-62. 1935.

*Section on Engineering.* Charles F. Kettering, General Motors Corporation. "Some Future Problems of Science and Engineering."

*Section on Medical Sciences.* Cyrus C. Sturgis, University of Michigan. "Some of the Recent Advances in the Study of Blood Diseases." *Science* 81: 368-371. 1935.

*Section on Agriculture.* A. R. Mann, Cornell University. "Agricultural Planning as an Aspect of State and National Planning." *Science* 81: 32-35. 1935.

*Section on Education.* Walter F. Dearborn, Harvard University. "The Mental and Physical Growth of Public School Children."

#### SYMPOSIA

"Group Theory and Quantum Mechanics" (4 papers). American Mathematical Society and American Physical Society.

"Heavy Hydrogen and Its Compounds" (4 papers). Sections on Physics and Chemistry.

"Noise Measurement" (4 papers). Acoustical Society of America.

"The Role of Chemistry in Education" (5 papers). Sections on Chemistry and Education and Division of Chemical Education of American Chemical Society.

"Mitosis" (4 papers). American Society of Zoologists.

"Improved Technique in the Study of Insects" (16 papers). Entomological Society of America.

"The Status of Systematic Botany in American Colleges and Universities" (5 papers). Botanical Society of America.

"Plant Hormones" (4 papers). Physiological Section of Botanical Society of America and American Society of Plant Physiologists.

"Cytogenetic Evolutionary Processes and Their Bearing on Evolution Theory" (3 papers). American Society of Naturalists, American Society of Zoologists, Botanical Society of America and Genetics Society of America.

"The Chemistry and Metabolism of Sulfur-Containing Compounds of the Body" (5 papers). Section on Medical Sciences.

"Agricultural Planning" (10 papers). Section on Agriculture and American Society of Agronomy.

"The Use and Application of Rapid Soil Tests" (4 papers). Section on Agriculture.

"Psychological Theories of Learning" (4 papers). Sections on Psychology and Education.

"Newer Knowledge of Interest to Science Teachers." Special Conference of the Committee on the Place of Science in Education.

"A National Organization of Science Teachers." Special Conference of the Committee on the Place of Science in Education.

#### PRELIMINARY ANNOUNCEMENTS AND REPORT OF MEETING

Preliminary Announcements and Notices. Science 80: 423, 424, 426, 485-494, 581-582, 612. Supplement to Science 80: 4-7, 18-25. 1934. The Scientific Monthly, Jan., 1935.

Permanent Secretary's general report, including financial statements, reports of secretaries of sections and of participating societies. Henry B. Ward. Science 81: 103-136. 1935.

#### MISCELLANEOUS ARTICLES, NOTES AND REPORTS

Edwin B. Wilson. "What Is a Proof?" Science 81: 37-373. 1935.

Frederick P. Gay. "The Unsolved Problems of Leprosy." Science 81: 283-285.

H. H. Bennett. "Facing the Erosion Problem." Science 81: 321-326. 1935.

Council Meetings. June 18 and 21, 1934, at Berkeley. Science 80: 45-47. 1934.

Meeting of the Executive Committee, April 15, 1934, at New York. Science 79: 481-484. 1934.

Treasurer's financial report for the fiscal year ended Sept. 30, 1934. Science 81: 108-109. 1935.

Permanent Secretary's financial report for the fiscal year 1933-34. Science 81: 109.

Grants in aid of research for 1934. Science 79: 483. 1934. Science 81: 136. 1935.

Membership. A statement concerning membership for the fiscal year. Science 81: 109. 1935.

The Eleventh Prize Award of the Association. Science 79: 89-90. 1934.

The Science Exhibition at the Pittsburgh meeting of the Association. Science 80: 284-285. 1934.

Symposium: "Physical and Chemical Changes in Nerve During Activity." Science: Science Supplement, Apr. 27, 1934. Occasional Publications of the American Association for the Advancement of Science. No. 2. (Out of print.)

THE LUBBOCK, TEXAS, MEETING OF THE SOUTHWESTERN  
DIVISION, APRIL 30 - MAY 3, 1934

*(The 14th meeting of the Southwestern Section, held in association with  
the Texas Academy of Science)*

R. A. Studhalter, *Chairman of Local Committee*

GENERAL SESSIONS

Bradford Knapp, president of Texas Technological College, and Ross Edwards, Mayor of Lubbock, addresses of welcome; B. C. Thorpe, president of the Texas Academy of Science, and O. C. Lester, president of the Southwestern Division, responses.

O. C. Lester, University of Colorado. "Research, the Door to Tomorrow." (Address of retiring president of Southwestern Division.)

Otto Struve, Yerkes Observatory, Williams Bay, Wisconsin. "The Galaxy." (Fifth John Wesley Powell lecture.)

# SUMMARIZED PROCEEDINGS

For the Calendar Year 1935

*Volume LXXXVIII*



## SUMMARIZED PROCEEDINGS FOR 1935

Two meetings of the Association were held in the calendar year 1935, the summer meeting at Minneapolis, Minn., June 24 to June 29, and the annual meeting at St. Louis, Mo., December 30, 1935 to January 4, 1936. The Association had held two earlier meetings in Minneapolis, the first in August, 1883, and the second in December, 1910. Three earlier meetings had been held in St. Louis, the first in August, 1878, the second in December, 1903, and the third in December, 1919.

The Pacific Division held its annual meeting in Los Angeles in June, a previous meeting of the division having been held in Los Angeles in 1923. The Southwestern Division held its meeting in Santa Fe, N. M., having previously held a meeting in that city in both 1922 and 1927.

At the Minneapolis meeting the registration was 417 and 340 papers were on the programs; at the St. Louis meeting 2,292 persons were registered and 1575 papers were on the programs; at the Los Angeles meeting of the Pacific Division the registration was 779 and 383 papers were on the programs; and at the Santa Fe meeting of the Southwestern Division the registration was 220 and 142 papers were on the programs. The total registration at meetings of the Association and its divisions during 1935 was 3708 and the total number of addresses and papers on the programs was 2440. At the close of the fiscal year 1935 (September 30) the membership of the Association was 17,937; the membership of the Pacific Division was 1971; and the membership of the Southwestern Division was 277.

## OFFICERS OF THE ASSOCIATION FOR 1935

*President.* Karl T. Compton (physics), Massachusetts Institute of Technology.

*Retiring President.* Edward L. Thorndike (psychology), Columbia University.

*Permanent Secretary.* Henry B. Ward, Smithsonian Institution Bldg., Washington, D. C.

*General Secretary.* Otis W. Caldwell, Columbia University.

*Treasurer.* John L. Wirt, Washington, D. C.

*Secretary of the Council.* Charles A. Shull, The University of Chicago.

*Executive Assistant.* Sam Woodley, Washington, D. C.

*Auditor.* W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

*Director of the Press Service.* Austin H. Clark, Washington, D. C.

*Director of the Annual Science Exhibition.* F. C. Brown, Washington, D. C.

*Members of the Executive Committee* (page 95)

*Members of the Finance Committee* (page 95)

*Members of the Committee on Grants* (page 95)

*Members of the Council* (pages 95, 92-94)

*Section Officers* (pages 92-94)

#### OFFICERS OF THE PACIFIC DIVISION

(For the fiscal year June, 1934 - June, 1935)

*President.* Bailey Willis, Stanford University, Calif.

*Secretary.* J. Murray Luck, Stanford University, Calif.

*Council Representative.* E. G. Martin, Stanford University, Calif.

#### OFFICERS OF THE SOUTHWESTERN DIVISION

(For the fiscal year April, 1934 - April, 1935)

*President.* Harold S. Colton, Museum of Northern Arizona, Flagstaff, Arizona.

*Secretary.* V. C. Kiech, University of New Mexico, Albuquerque, N. M.

*Council Representative.* Harold S. Colton, Museum of Northern Arizona, Flagstaff, Arizona.

### THE THIRD MINNEAPOLIS MEETING, JUNE 24 TO 29, 1935

(The 96th meeting of the Association)

#### OFFICERS OF THE LOCAL COMMITTEE

D. E. Minnich, *chairman*; D. G. Paterson, *secretary*

#### PARTICIPATING SOCIETIES

*Affiliated with Section on Physics*

American Meteorological Society (35 papers)

*Affiliated with Section on Astronomy*

Society for Research on Meteorites (11 papers)

*Affiliated with Section on Zoological Sciences*

American Society of Parasitologists (5 + 6 papers<sup>1</sup>)

*Affiliated with Section on Botanical Sciences*

Botanical Society of America (0 + 4 papers)

American Phytopathological Society (0 + 3 papers)

American Society of Plant Physiologists (19 + 3 papers)

<sup>1</sup> The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

*Affiliated with Sections on Zoological and Botanical Sciences*

Ecological Society of America (0 + 4 papers)

Genetics Society of America (0 + 3 papers)

*Affiliated with Section on Medical Sciences*

Society of American Bacteriologists

Minnesota State Medical Association

*Affiliated with Section on Agriculture*

American Society of Agronomy, Corn Belt Section (0 + 3 papers)

American Society for Horticultural Science, Great Plains Section (0 + 3 papers)

American Dairy Science Association (0 + 99 papers)

Association of Official Seed Analysts of North America (0 + 27 papers)

## GENERAL SESSIONS

W. P. Murphy, Boston, Mass. "Diseases of the Blood."

Richard P. Strong, Harvard University Medical School. "The Importance of Ecology in Tropical Disease." (Fourth Hector Maiben lecture.) *Science* 82: 307-317. 1935.

Isaiah Bowman, president of Johns Hopkins University. "The Land of Your Possession." *Science* 82: 285-293. 1935.

William F. G. Swann, Director, Bartol Research Foundation. "The Nature of Cosmic Rays."

Philip Fox, Director, Adler Planetarium and Astronomical Museum, Chicago, Ill. "The Scale of the Universe."

## SYMPOSIA

"Conservation" (4 papers). General session sponsored by the Association and the University of Minnesota. Third paper: "Conservation of Minerals." C. K. Leith. *Science* 82: 109-117. 1935.

"Hormone Activity" (4 papers). Section on Zoological Sciences.

"Dormancy, After-Ripening, and Germination of Seeds" (7 papers). American Society of Plant Physiologists.

"Improving the Germ Plasm of Domestic Plants and Animals" (3 papers). Section on Agriculture, American Phytopathological Society, American Society of Plant Physiologists, Corn Belt Section of American Society of Agronomy, Great Plains Section of American Society of Horticultural Science and American Dairy Science Association.

"Past, Present and Future of Phytopathology in North America." American Phytopathological Society.

"Attitude Measurement" (2 papers). Section on Psychology.

"Diseases of the Blood" (3 papers). Section on Medical Sciences and Minnesota State Medical Association.

"Higher Education" (5 papers). Section on Education.

"Improvement in Learning" (4 papers). Section on Education.

"Childhood Studies" (4 papers). Section on Education.

#### ANNOUNCEMENTS AND REPORTS

The Coming Minneapolis Meeting. Henry B. Ward. *Science* 81: 266-267. 1935.

Preliminary Announcement of the Minneapolis Meeting. Henry B. Ward. *Science* 81: 495-504. 1935.

Grants in Aid of Research for 1936. Henry B. Ward. *Science* 81: 610. 1935.

The Lancaster Branch of the Association. F. A. Coventry. *Science* 81: 286-287. 1935.

Permanent Secretary's general report of the Minneapolis Meeting, including reports of the secretaries of the sections and of the participating societies. Henry B. Ward. *Science* 82: 71-88. 1935.

#### THE FOURTH ST. LOUIS MEETING, DEC. 30, 1935 - JAN. 4, 1936 (*The 97th meeting of the Association*)

##### OFFICERS OF THE LOCAL COMMITTEE

George T. Moore, *chairman*; James B. Macelwane, *vice chairman*  
W. D. Shipton, *secretary*

##### PARTICIPATING SOCIETIES

##### *Affiliated with Section on Mathematics*

American Mathematical Society (68 + 3 papers<sup>1</sup>)

Mathematical Association of America (6 + 2 papers)

National Council of Teachers of Mathematics (10 + 2 papers)

##### *Affiliated with Section on Physics*

American Physical Society (67 + 7 papers)

American Association of Physics Teachers (28 + 6 papers)

American Meteorological Society (10 + 15 papers)

##### *Affiliated with the Section on Geology and Geography*

Association of American Geographers (56 + 11 papers)

<sup>1</sup> The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

National Council of Geography Teachers (26 papers)  
Seismological Society of America (14 + 6 papers)

*Affiliated with Section on Zoological Sciences*

Entomological Society of America (43 papers)  
American Association of Economic Entomologists (12 + 43 papers)  
American Society of Parasitologists (58 + 5 papers)  
Wilson Ornithological Club (31 papers)

*Affiliated with Section on Botanical Sciences*

Botanical Society of America (62 + 24 papers)  
American Phytopathological Society (99 + 28 papers)  
American Society of Plant Physiologists (41 + 15 papers)  
Mycological Society of America (13 + 14 papers)  
American Fern Society (4 + 3 papers)  
Sullivant Moss Society (7 papers)

*Affiliated with Sections on Zoological and Botanical Sciences*

American Society of Naturalists (0 + 10 papers)  
Ecological Society of America (33 + 21 papers)  
Genetics Society of America (33 + 16 papers)  
American Microscopical Society  
Phi Sigma Society (90 papers)  
Limnological Society of America (18 papers)  
Beta Beta Beta Honor Biological Fraternity

*Affiliated with Section on Social and Economic Sciences*

Econometric Society (1 + 5 papers)

*Affiliated with Section on Historical and Philological Sciences*

History of Science Society

*Affiliated with Section on Agriculture*

American Society of Agronomy (0 + 4 papers)  
American Society for Horticultural Science (109 + 19 papers)  
Potato Association of America (36 + 20 papers)

*Affiliated with Section on Education*

Phi Delta Kappa Fraternity  
Pi Lambda Theta, National Education Fraternity for Women  
Kappa Delta Pi, Honor Society in Education

*Science in General*

Society of the Sigma Xi  
 United Chapters of Phi Beta Kappa  
 American Nature Study Society (19 papers)  
 Gamma Alpha Graduate Scientific Fraternity  
 Pi Gamma Mu, National Social Science Honor Fraternity  
 Sigma Delta Epsilon, Women's Graduate Scientific Fraternity  
 American Science Teachers Association (8 papers)  
 Honor Society of Phi Kappa Phi  
 American Association of University Professors  
 Academy of Science of Saint Louis

## GENERAL SESSIONS

Edward L. Thorndike, Columbia University. "Science and Values." (Address of retiring president.) *Science* 83:1-8. 1936.

John Bellamy Taylor, General Electric Company. "The Electric Eye and the Human Eye." (Fourteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 24, No. 1. 1936.

William Allan Neilson, president of Smith College. "The American Scholar Today." (First annual Phi Beta Kappa lecture.) *The American Scholar*. 1936.

Harold G. Moulton, president of the Brookings Institution, Washington, D. C. "Scientific Method in the Investigation of Economic Problems." *The Scientific Monthly* 17: 214-221.

B. A. Houssay, University of Buenos Aires, Argentina. "The Pituitary Gland and the Metabolism of the Body."

Edwin H. Barbour, University of Nebraska. "The Proboscidea of the Plains."

Frederick Slocum, Wesleyan University, Middletown, Conn. "The Changing Picture of the Universe."

Vern O. Knudsen, University of California at Los Angeles. "The Adsorption of Sound in Gases."

Carl Snyder, Federal Reserve Bank, New York. "The Role of Capitalism in Civilization."

V. K. Zworykin, Radio Corporation of America. "Electron Optical Systems and their Applications."

Vannevar Bush, Massachusetts Institute of Technology. "Mechanical Analysis." (Twelfth annual Josiah Willard Gibbs lecture.)

## ADDRESSES OF VICE PRESIDENTS

*Section on Mathematics.* R. D. Carmichael, University of Illinois. "Linear Differential Equations of Infinite Order."

*Section on Physics.* Henry G. Gale, The University of Chicago. "The Diffraction Grating."

*Section on Chemistry.* Joel H. Hildebrand, University of California. "Dipole Attraction and Hydrogen Bond Formation in their Relation to Solubility." *Science* 83: 21-24. 1936.

*Section on Astronomy.* Frederick Slocum, Wesleyan University, Middletown, Conn. "The Changing Picture of the Universe."

*Section on Geology and Geography.* J. B. Macelwane, St. Louis University. "Problems and Progress on the Geologico-Seismological Frontier." *Science* 83: 193-198. 1936.

*Section on Zoological Sciences.* Oscar Riddle, Station for Experimental Evolution of Carnegie Institution. "The Confusion of Tongues." *Science* 83: 41-45, 69-74. 1936.

*Section on Botanical Sciences.* Bernard O. Dodge, New York Botanical Garden. "Reproduction and Inheritance in Ascomycetes." *Science* 83: 169-175. 1936.

*Section on Anthropology.* M. J. Herskovits, Northwestern University. "Applied Anthropology and the American Anthropologists." *Science* 83: 215-222. 1936.

*Section on Psychology.* John E. Anderson, University of Minnesota. "Child Development and the Interpretation of Behavior." *Science* 83: 245-252. 1936.

*Section on Social and Economic Sciences.* Carl Snyder, Federal Reserve Bank, New York. "The Role of Capitalism in Civilization."

*Section on Historical and Philological Sciences.* Solon J. Buck, National Archives, Washington, D. C. "The National Archives and the Advancement of Science." *Science* 83: 379-385. 1936.

*Section on Medical Sciences.* Stanhope Bayne-Jones, Yale University. "Bacterial Poisons and their Antidotes."

*Section on Agriculture.* Jacob G. Lipman, Rutgers University. "The Conservation of our Land Resources." *Science* 83: 65-69. 1936.

*Section on Education.* Guy Thomas Buswell, The University of Chicago. "Some Contributions of the Study of Eye Movements to the Psychology of Perception."

#### SYMPOSIA

"The Teaching of Géometry" (3 papers). National Council of Teachers of Mathematics.

"Photoelectricity" (3 papers). American Physical Society and American Association of Physics Teachers.

"Land Utilization" (5 papers). Association of American Geographers.

"Species from a Genetic Standpoint" (3 papers). Section on Zoological

Sciences, Genetics Society of America, Systematic Section of the Botanical Society of America and the American Society of Naturalists.

"Early Man in America with Particular Reference to the Southwestern United States" (6 papers). Section on Zoological Sciences, American Society of Naturalists, Botanical Society of America and Genetics Society of America.

"Orchard Sanitation" (3 papers). American Association of Economic Entomologists.

"Contemporary Investigation of Taxonomic Concepts" (4 papers). Botanical Society of America and Genetics Society of America.

"Light Relations of Plants" (4 papers). Botanical Society of America and American Society of Plant Physiologists.

"The Plant Geography of the Mississippi Valley" (3 papers). Section on Zoological Sciences, General Section of Botanical Society of America, American Society of Naturalists and Genetics Society of America.

"Antibiosis: the Antagonism toward Plant Pathogens by other Microorganisms" (3 papers). American Phytopathological Society.

"Ecological Aspects of some recent Government Activities" (8 papers). Ecological Society of America.

"Study and Teaching of the History of Science" (4 papers). Section on Historical and Philological Sciences and History of Science Society.

"Early Science in the St. Louis Area" (8 papers). Section on Historical and Philological Sciences, History of Science Society and Academy of Science of St. Louis.

"Sex Hormones" (11 papers). Section on Medical Sciences.

"The Conservation of the Land" (4 papers). Section on Agriculture and American Society of Agronomy. First paper: "The Conservation of our Land Resources." Jacob G. Lipman. *Science* 83: 65-69. 1936.

"Maturation and Learning" (4 papers). Section on Education and Section on Psychology.

#### ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the Fourth St. Louis Meeting. Henry B. Ward. *Science* 82: 499-510. 1935.

Permanent Secretary's general report, including reports of secretaries of sections and of participating societies. Henry B. Ward. *Science* 83: 111-146. 1936.

THE SECOND LOS ANGELES MEETING OF THE PACIFIC  
DIVISION, JUNE 25-29, 1935*(The 19th annual meeting of the Pacific Division)*

## PARTICIPATING SOCIETIES

American Association of Economic Entomologists, Pacific Slope Branch  
American Meteorological Society  
American Physical Society  
American Phytopathological Society, Pacific Division  
American Society of Ichthyologists and Herpetologists, Western Division  
Astronomical Society of the Pacific  
Botanical Society of America, Pacific Section  
Ecological Society of America  
Pacific Coast Entomological Society  
Society for Experimental Biology and Medicine, Pacific Coast Branch  
Western Psychological Association  
Western Society of Naturalists  
Western Society of Soil Science

## GENERAL SESSIONS

Bailey Willis, Stanford University. "The Living Globe." (Address of retiring president of the Pacific Division.) *Science* 82:427-433.

Fred E. Wright, Carnegie Institution of Washington. "The Surface of the Moon."

## SPECIAL RESEARCH REVIEWS

V. O. Knudsen, University of California at Los Angeles. "Recent Developments in Acoustics."

Th. Dobzhansky, California Institute of Technology. "The Mechanism of Heredity."

B. M. Allen, University of California at Los Angeles. "Recent Developments in the Field of Hormones."

## SYMPOSIA

"Seismologic Research" (6 papers): (1) "Earthquakes of Northern California," Perry Byerly; (2) "Research on Near and Far Earthquakes," B. Gutenberg; (3) "Vibration Research for Earthquake Resistant Buildings," L. Jacobsen; (4) "Development of the U. S. Coast and Geodetic Seismological Program in California," T. J. Maher; (5) "Mechanics of Earthquake Activity," Bailey Willis; and (6) "Present Status of the Relation of the State of California to Earthquake Resistant Public School Building Design and Construction," Geo. B. McDougall.

"The Virus Diseases of Plants and Animals." American Phytopathological Society, Pacific Division, Botanical Society of America, Pacific Division, Society for Experimental Biology and Medicine and the Western Society of Naturalists.

#### PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

"The Los Angeles Meeting of the Pacific Division." J. Murray Luck. Science 81: 333-334. 1935.

Secretary's general report of the Los Angeles meeting of the Pacific Division, including reports of the secretaries of participating societies. J. Murray Luck. Science 82: 357-368. 1935.

### THE THIRD SANTA FE MEETING OF THE SOUTHWESTERN DIVISION, APRIL 29 - MAY 2, 1935 (*The 15th meeting of the Southwestern Division*)

#### PARTICIPATING SOCIETIES

Ecological Society of America  
New Mexico Association for the Advancement of Science  
New Mexico Game Protective Association  
New Mexico Public Health Association  
Society of American Foresters, Southwestern Section  
Southwestern Conservation League  
Second Annual Tree-Ring Conference

#### GENERAL SESSIONS

D. S. Robbins, State College, N. M. "Science and Religion." (Address of retiring president of the Southwestern Division.)

Edgar L. Hewitt, Director of the Museum of New Mexico. "The Social Sciences in the Program of Education." (The sixth John Wesley Powell lecture.)

A. E. Douglass, University of Arizona. "Trees: Recorders of History and Climate."

#### SYMPOSIA

"Atomic Nuclei." Papers by W. B. Pietenpol, University of Colorado, and J. C. Stearns, University of Denver.

"Trees: Recorders of History and Climate." Papers by A. E. Douglass, University of Arizona, E. W. Haury, Assistant Director, Gila Pueblo, Globe, Arizona, and G. A. Pearson, Southwest Forest and Range Experiment Station, Tucson, Ariz.

Report of Santa Fe meeting. E. F. Carpenter. Science 82: 41-42. 1935.

**SUMMARIZED PROCEEDINGS**

**For the Calendar Year 1936**

*Volume LXXXIX*



## SUMMARIZED PROCEEDINGS FOR 1936

The Association held two meetings in the calendar year 1936, a meeting at Rochester-Ithaca, N. Y., June 16-20, and the annual meeting at Atlantic City, N. J., Dec. 28, 1936 - Jan. 2, 1937. The Association had previously held one meeting at Rochester, in August, 1892, one meeting at Ithaca, in June-July, 1906, and one meeting in Atlantic City, in December, 1932. A large portion of the Rochester-Ithaca program was presented at Rochester on June 16-18, after which the Association joined with the Society of the Sigma Xi at Ithaca in celebration of the semi-centennial of its founding. The Pacific Division held a meeting at Seattle, Washington, June 15-20, and the Southwestern Division held a meeting at Flagstaff, Arizona, April 27-30.

At the Rochester-Ithaca meeting 514 persons were registered and 230 addresses and papers were on the programs; at the Atlantic City meeting 2375 persons were registered and 1450 addresses and papers were delivered or read; at the Seattle meeting of the Pacific Division 779 persons were registered and 449 addresses and papers were delivered or read; and at the Flagstaff meeting of the Southwestern Division 116 addresses and papers were delivered or read. At the close of the fiscal year 1936 (Sept. 30) the membership of the Association was 18,242; the membership of the Pacific Division was 2004; and the membership of the Southwestern Division was 323.

## OFFICERS OF THE ASSOCIATION FOR 1936

*President.* Edwin G. Conklin (zoology), Princeton University.

*Retiring President.* Karl T. Compton (physics), Massachusetts Institute of Technology.

*Permanent Secretary.* Henry B. Ward, Washington, D. C.

*General Secretary.* Otis W. Caldwell. Boyce Thompson Institute for Plant Research.

*Treasurer.* John L. Wirt, Washington, D. C.

*Secretary of the Council.* Charles A. Shull, University of Chicago.

*Executive Assistant.* Sam Woodley, Washington, D. C.

*Auditor.* W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

*Director of Press Service.* Austin H. Clark, National Museum, Washington, D. C.

*Director of the Annual Science Exhibition.* F. C. Brown, Washington, D. C.

*Members of the Executive Committee* (page 95)

*Members of the Finance Committee* (page 95)

*Members of the Committee on Grants* (page 95)

*Members of the Council* (pages 95, 92-94)

*Section Officers* (pages 92-94)

#### OFFICERS OF THE PACIFIC DIVISION

*(For the fiscal year June, 1935 - June, 1936)*

*President.* Richard C. Tolman, California Institute of Technology

*Secretary.* J. Murray Luck, Stanford University.

*Council Representative.* Roy E. Clausen, University of California.

#### OFFICERS OF THE SOUTHWESTERN DIVISION

*(For the fiscal year April, 1935 - April, 1936)*

*President.* Frank E. E. Germann, University of Colorado.

*Secretary.* V. C. Kiech, University of New Mexico.

*Council Representative.* Frank E. E. Germann, University of Colorado.

### THE ROCHESTER (N. Y.) - ITHACA MEETING, JUNE 16-20, 1936

*(The 98th meeting of the association, its second meeting in Rochester and its second meeting at Ithaca)*

#### OFFICERS OF THE LOCAL COMMITTEE

H. L. Fairchild, *honorary chairman*; J. E. Hoffmeister, *chairman*

W. R. Line, *secretary*

#### PARTICIPATING SOCIETIES

##### *Affiliated with Section on Physics*

American Meteorological Society (6 papers)

##### *Affiliated with Section on Botanical Sciences*

American Society of Plant Physiologists (0 + 9 papers<sup>1</sup>)

Physiological Section, Botanical Society of America (0 + 9 papers)

##### *Affiliated with Section on Engineering*

Institute of the Aeronautical Sciences (7 papers)

American Society of Photogrammetry

<sup>1</sup> The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

*Affiliated with Section on Medical Sciences*

Society of American Bacteriologists, Central New York State Branch  
(26 + 10 papers)

Society of Experimental Biology and Medicine, Western New York  
Branch (20 papers)

*Affiliated with Section on Agriculture*

American Society for Horticultural Science (0 + 9 papers)

Association of Official Seed Analysts (26 papers)

## GENERAL SESSIONS

C. E. K. Mees, Eastman Kodak Company. "Color Photography."

Charles Camsell, Deputy Minister of Mines of the Dominion of Canada.  
"A 4000 Mile Flight Over Northwestern Canada in August, 1935." (Fifth  
Hector Maiben lecture.)

Carl Snyder, Federal Reserve Bank of New York. "The Role of Capitalism in Civilization."

Society of the Sigma Xi Semi-Centennial General Session. (1) Livingston Farrand, president of Cornell University: "Greetings"; (2) Edwin G. Conklin, president of the Association: "The American Association for the Advancement of Science and the Society of the Sigma Xi"; (3) W. F. Durand, president of the Society of the Sigma Xi: "Response"; (4) Edward Ellery, Union College: "A Brief History of the Sigma Xi"; (5) Frank Van Vleck, Washington, D. C. (one of the founders of the Sigma Xi): "Reminiscences"; (6) Karl T. Compton, president of Massachusetts Institute of Technology: "The Service of Sigma Xi in the Universities of the Future." Sigma Xi Quarterly 24: No. 2.

## SYMPOSIA

"Problems of Current Interest to Physics and Geology" (6 papers). Section on Physics and Section on Geology and Geography.

"Recent Developments in Weather Forecasting" (4 papers and demonstration of release of two high altitude balloons). Section on Physics and American Meteorological Society.

"Biological Effects of Radiation" (3 papers). Section on Physics.

"Physiology of Reproduction in Higher Plants" (5 papers). American Society of Plant Physiologists, Physiological Section of Botanical Society of America and American Society for Horticultural Science.

"Scientific Aspects of Flood Control" (3 papers). Ecological Society of America. Occasional Publications of the American Association for the Advancement of Science, No. 3. Supplement to Science, vol. 84.

"Social Security" (3 papers). Section on Social and Economic Sciences.

"Dental Caries" (10 papers). Subsection on Dentistry.

#### ANNOUNCEMENTS AND REPORTS OF MEETING

The Summer Meeting of the American Association. Henry B. Ward. *Science* 83: 365-366. 1936.

Preliminary Announcements of the Rochester-Ithaca meeting. Henry B. Ward. *Science* 83: 447-456. 1936.

Permanent Secretary's general report, including reports of the secretaries of the sections and of the participating societies. *Science* 84: 93-113. 1936.

#### MISCELLANEOUS ARTICLES, NOTES AND REPORTS

Simon Henry Gage. "Theobald Smith; Investigator and Man." (Address at Theobald Smith Memorial Session.) *Science* 84: 117-122. 1936.

M. H. Eisenhart. Address on presentation of the 250,000th Bausch and Lomb microscope to Professor Frederick G. Novy. *Science* 84: 122. 1936; response by Edwin G. Conklin, pp. 122, 123. 1936.

Max Mason. "Science and the Rational Animal." *Science* 84: 71-76. 1936.

W. R. Whitney. "Accomplishments and Future of the Physical Sciences." *Science* 84: 211-217. 1936.

#### THE ATLANTIC CITY MEETING, DEC. 28, 1936 - JAN. 2, 1937

(*The 99th meeting of the Association and its 2d meeting at Atlantic City*)

There being no university at Atlantic City, arrangements for the meeting were made by the office of the Permanent Secretary and Mr. A. H. Slean, Director of the Convention Bureau.

#### PARTICIPATING SOCIETIES

##### *Affiliated with the Section on Physics*

American Physical Society (68 + 2 papers<sup>1</sup>)

American Association of Physics Teachers (39 + 2 papers)

American Meteorological Society (21 + 7 papers)

Sigma Pi Sigma

##### *Affiliated with the Section on Chemistry*

Division of Chemical Education, American Chemical Society (0 + 2 papers)

<sup>1</sup> The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

*Affiliated with the Section on Zoological Sciences*

- American Society of Zoologists (107 + 46 papers)  
Entomological Society of America (48 + 5 papers)  
American Association of Economic Entomologists (108 + 5 papers)  
American Society of Parasitologists (63 papers)

*Affiliated with Section on Botanical Sciences*

- Botanical Society of America (92 + 19 papers)  
American Phytopathological Society (97 + 26 papers)  
American Society of Plant Physiologists (45 + 15 papers)  
Mycological Society of America (35 + 12 papers)  
American Fern Society (5 papers)  
Sullivant Moss Society (9 + 3 papers)

*Affiliated with Sections on Zoological and Botanical Sciences*

- American Society of Naturalists (1 + 10 papers)  
Ecological Society of America (17 + 25 papers)  
Genetics Society of America (33 + 12 papers)  
Limnological Society of America (20 papers)  
American Microscopical Society

*Affiliated with Section on Agriculture*

- American Society of Agronomy (0 + 8 papers)  
American Society for Horticultural Science (121 + 16 papers)  
Potato Association of America (32 + 21 papers)

*Science in General*

- Society of the Sigma Xi  
United Chapters of Phi Beta Kappa  
American Nature Study Society  
Gamma Alpha Graduate Scientific Fraternity  
Sigma Delta Epsilon Graduate Women's Scientific Fraternity  
American Science Teachers' Association

## GENERAL SESSIONS

Karl T. Compton, president of the Massachusetts Institute of Technology. "The Electron: Its Intellectual and Social Significance." (Address of retiring president.) *Science* 85: 27-37. 1937.

Henry G. Knight, Chief of U. S. Bureau of Chemistry and Soils. "Selenium and Its Relation to Soil, Plants, Animals, and Public Health." (Fifteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 25, No. 1. 1937.

James R. Angell, president of Yale University. "The Scholar and the Specialist." (Second Phi Beta Kappa lecture.) *The American Scholar*. 1937.

#### SPECIAL SESSIONS

E. O. Hulburt, Naval Research Laboratory. "The Optics of the Surface of the Sea."

David Dietz, Science Editor, Scripps-Howard Newspapers. "Science and the American Press." *Science* 85: 107-112. 1937.

P. W. Zimmerman, Boyce Thompson Institute for Plant Research. "Response of Plants to Hormone-like Growth Substances."

C. C. Little, Roscoe B. Jackson Memorial Laboratory. "The Social Significance of Cancer."

Walter Schiller, University of Vienna. "Changes and Modifications in the Conception of Carcinoma."

#### ADDRESSES OF VICE PRESIDENTS

*Section on Mathematics.* T. H. Hildebrandt, University of Michigan. "Recent Developments in the Theory of Integration."

*Section on Physics.* John T. Tate, University of Minnesota. "Electron Impacts in Gases."

*Section on Chemistry.* Moses Gomberg, University of Michigan. "Free Radicals."

*Section on Astronomy.* H. R. Morgan, U. S. Naval Observatory. "Some Problems in Fundamental Astronomy." *Science* 85: 1-9. 1937.

*Section on Zoological Sciences.* Ross G. Harrison, Yale University. "Embryology and Its Relations." *Science* 85: 369-374. 1937.

*Section on Botanical Sciences.* E. W. Sinnott, Columbia University. "Morphology as a Dynamic Science." *Science* 85: 61-65. 1937.

*Section on Anthropology.* N. C. Nelson, American Museum of Natural History. "Prehistoric Archaeology, Past, Present and Future." *Science* 85: 81-89. 1937.

*Section on Psychology.* Robert M. Ogden, Cornell University. "The Psychology of Art: Naïve Geometry."

*Section on Social and Economic Sciences.* Shelby Harrison, Russell Sage Foundation. "Winning Social Advance Through Process of Accretion."

*Section on Historical and Philological Sciences.* George Sarton, Harvard University. "The Study of the History of 20th Century Science."

*Section on Agriculture.* H. K. Hayes, University of Minnesota. "Agricultural Research in China." *Science* 85: 321-325; 347-350. 1937.

*Section on Education.* F. B. Knight, University of Iowa. "Data Related to Classroom Learning."

## SYMPOSIA

"Some Problems in Radiological Physics" (5 papers). American Physical Society.

"Radio-Meteorographs and Other Apparatus" (8 papers). American Meteorological Society.

"Weather Variations and Long Range Forecasting" (7 papers). American Meteorological Society and Section on Astronomy.

"The Preparation of Teachers of Chemistry" (2 papers). Section on Chemistry, Section on Education and Division of Chemical Education of the American Chemical Society.

"Experimental Populations" (4 papers). American Society of Zoologists and Ecological Society of America.

"Genetics and Development" (5 papers). American Society of Zoologists, Genetics Society of America and American Society of Naturalists.

"Properties of Protoplasmic Surfaces" (5 papers). American Society of Zoologists and Society of Cell Physiologists.

"Insects Affecting Man" (5 papers). Entomological Society of America and American Association of Economic Entomologists.

"Recent Developments in Plant Sciences" (3 papers). Section on Botany, Botanical Society of America, American Phytopathological Society, American Society of Plant Physiologists, Mycological Society of America, American Fern Society, and Sullivant Moss Society.

"Mineral Nutrition of Plants" (4 papers). Botanical Society of America, Physiological Section, American Society of Plant Physiologists and American Society of Horticultural Science.

"Carbondioxide Assimilation" (6 papers). American Society of Plant Physiologists.

"New Jersey Ferns" (5 papers). American Fern Society.

"Supra-Specific Variation in Nature and in Classification" (4 papers). American Society of Naturalists, American Society of Zoologists, Botanical Society of America, Genetics Society of America, American Phytopathological Society and Ecological Society of America.

"Experimental Populations" (4 papers). Ecological Society of America and American Society of Zoologists.

"Technique" (8 papers). Ecological Society of America and American Society of Plant Physiologists.

"The Cortex and Behavior" (4 papers). Section on Psychology.

"The Cancer Problem" (32 papers). Section on Medicine. Published in volume: *The Cancer Problem*. The Science Press. 1937.

"Pasture and Forage Crops in the Northeastern States" (8 papers). Section on Agriculture and American Society of Agronomy.

## ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary announcement of the Atlantic City meeting. Henry B. Ward. *Science* 84: 465-475. 1936.

Changes in program of last day of Atlantic City meeting. *Science* 84: 547-548. 1936.

Annual science exhibition. *Science* 84: 269. 1936.

Cancer symposium, Section on Medical Sciences. *Science* 84: 439-440.

Invitation from American Philosophical Society for a one-day meeting in Philadelphia after the Atlantic City meeting. *Science* 84: 454. 1936.

Program of the Sessions in Atlantic City. *Science* 84: 548. 1936.

Permanent Secretary's general report. Henry B. Ward. *Science* 85: 129-164. 1936.

## MISCELLANEOUS ARTICLES, NOTES AND REPORTS

Meeting of the Executive Committee, Oct. 24-25. *Science* 84: 460-461. 1936.

Broadcasts at the Atlantic City meeting. *Science* 84: 570. 1936.

Officers elected at Atlantic City meeting. *Science* 85: 40-41. 1937.

Financial reports for the fiscal year ending Sept. 30, 1936. *Science* 85: 134-136. 1937.

The Association Prize Award. *Science* 85: 132-133. 1937.

Report of Committee on Grants. *Science* 85: 164. 1937.

THE SEATTLE MEETING OF THE PACIFIC DIVISION,  
JUNE 16-20, 1936

*(The 20th annual meeting of the Pacific Division)*

A. F. Carpenter, *Chairman of Local Committee*

## GENERAL SESSIONS

Richard C. Tolman, California Institute of Technology. "The Present Status of Cosmology." (Address of retiring president of the Pacific Division.) *The Scientific Monthly*: 43: 491-507; 44: 20-40. 1936, 1937.

F. K. Kirsten, University of Washington. "Lux Sit" (low voltage illumination with rare gases and metallic vapors).

C. McLean Fraser, University of British Columbia. "Marine Biology."

E. G. Moberg, Scripps Institution of Oceanography, La Jolla, Calif. "Chemical Oceanography."

W. F. Thompson, International Fisheries Commission, Seattle, Wash. "Fisheries."

O. W. Swainson, U. S. Coast and Geodetic Survey, Seattle, Wash. "Hydrographic Survey."

#### SPECIAL RESEARCH REVIEWS

"Stellar Spectroscopy." W. E. Harper, Dominion Astrophysical Observatory, Victoria, B. C.

"Plant Nutrition." D. R. Hoagland, University of California, Berkeley, Calif.

"The Chemistry of Growth Promoting Principles." Roger J. Williams, Oregon State College, Corvallis, Oregon.

"Paleontology." E. L. Packard, Oregon State College, Corvallis, Ore.

#### REPORT OF MEETING

Secretary's general report of the Seattle meeting. J. Murray Luck. *Science* 84: 143-149, 169-174. 1936.

### THE FLAGSTAFF MEETING OF THE SOUTHWESTERN DIVISION, APRIL 27-30, 1936

*(The 16th annual meeting of the Southwestern Division)*

T. J. Tormey, *Chairman of Local Committee*

#### GENERAL SESSIONS

T. J. Tormey, president of Arizona State Teachers College, Address of Welcome; Harold S. Colton, Museum of Northern Arizona, Flagstaff, Response.

Harold S. Colton, president of the Southwestern Division. "The Rise and Fall of the Prehistoric Population of Northern Arizona." (Address of retiring president of the Southwestern Division.) *Science* 84: 337-343. 1936.

John C. Merriam, President of the Carnegie Institution of Washington: "The Wilderness as a Teacher, Preacher, and Companion. A Study of the Contribution made by a Great National Park."



# SUMMARIZED PROCEEDINGS

For the Calendar Year 1937

*Volume XC*



## SUMMARIZED PROCEEDINGS FOR 1937

The Association held two meetings in the calendar year 1937, a joint meeting with the Pacific Division and the Southwestern Division at Denver, Colorado, June 21 to June 26, inclusive, and a meeting at Indianapolis, Ind., Dec. 27, 1937 - Jan. 2, 1938, inclusive. The only previous meeting of the Association in Denver was held in 1901.

At the Denver meeting the registration was from 50 states, territorial possessions and foreign countries, and 575 addresses and papers were on the programs. At the meeting in Indianapolis the registration was 3,094 and 1681 addresses and papers were on the programs. At the end of the fiscal year 1937 (Sept. 30), the membership of the Association was 18,776, that of the Pacific Division was 2023, and that of the Southwestern Division was 258.

## OFFICERS OF THE ASSOCIATION FOR 1937

*President.* George D. B. Birkhoff (mathematics), Harvard University.

*Retiring President.* Edwin G. Conklin (zoology), Princeton University.

*Permanent Secretary.* F. R. Moulton, Washington, D. C.

*General Secretary.* Otis W. Caldwell, Boyce Thompson Institute for Plant Research.

*Treasurer.* John L. Wirt, Washington, D. C.

*Secretary of the Council.* Charles A. Shull, University of Chicago.

*Executive Assistant.* Sam Woodley, Washington, D. C.

*Auditor.* W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

*Counsel.* Charles S. Baker, Munsey Building, Washington, D. C.

*Director of Press Service.* Austin H. Clark, National Museum, Washington, D. C.

*Director of the Annual Science Exhibition.* F. C. Brown, Washington, D. C.

*Members of Executive Committee* (page 95)

*Members of Finance Committee* (page 95)

*Members of Committee on Grants* (page 95)

*Members of Council* (pages 95, 92-94)

*Section Officers* (pages 92-94)

## OFFICERS OF PACIFIC DIVISION

(For the fiscal year June, 1936-June, 1937)

*President.* Herbert M. Evans (anatomy), University of California, Berkeley, Calif.

*Secretary.* J. Murray Luck, Stanford University, Calif.

*Council Representative.* Roy E. Clausen, University of California, Berkeley, Calif.

## OFFICERS OF SOUTHWESTERN DIVISION

*(For the fiscal year April, 1936 - April, 1937)*

*President.* Frank E. E. Germann (physics), University of Colorado, Boulder, Colo.

*Secretary.* V. C. Kiech, University of New Mexico, Albuquerque, N. M.

*Council Representative.* Frank E. E. Germann, Boulder, Colo.

## THE DENVER MEETING, JUNE 21-26, 1937

*(The 100th meeting of the Association, the 21st meeting of the Pacific Division and the 17th meeting of the Southwestern Division)*

## OFFICERS OF THE LOCAL COMMITTEE

J. J. Waring, *chairman*; T. P. Campbell, *executive vice chairman*

A. C. Nelson, *treasurer*; J. C. Stearns, *secretary*

## PARTICIPATING SOCIETIES

*Affiliated with Section on Physics*

American Physical Society, Pacific Coast Branch (26 + 4 papers<sup>1</sup>)

American Meteorological Society, Pacific Coast Branch (10 + 0 papers)

Hydrology Section, American Geophysical Union (30 + 9 papers)

American Association of Physics Teachers (18 papers)

*Affiliated with Section on Astronomy*

Astronomical Society of the Pacific (22 + 4 papers)

Society for Research on Meteorites (15 + 8 papers)

*Affiliated with Section on Geology and Geography*

Oceanographic Society of the Pacific (20 papers)

Association of Pacific Coast Geographers (21 papers)

*Affiliated with Section on Zoological Sciences*

American Association of Economic Entomologists, Pacific Slope Branch (2 papers)

American Society of Parasitologists (18 papers)

American Society of Ichthyologists and Herpetologists, Western Division (10 papers)

<sup>1</sup> The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

*Affiliated with Section on Botanical Sciences*

American Phytopathological Society, Pacific Division (0 + 12 papers)

American Society of Plant Physiologists, Western Division (31 + 10 papers)

American Fern Society

Botanical Society of America, Pacific Section (8 + 5 papers)

*Affiliated with Section on Zoological and Botanical Sciences*

Ecological Society of America (25 + 3 papers)

Western Society of Naturalists (7 + 5 papers)

*Affiliated with Section on Social and Economic Sciences*

Econometric Society (3 + 15 papers)

American Statistical Association (3 + 13 papers)

*Affiliated with Section on Engineering*

The Institute of Aeronautical Sciences (7 papers)

*Affiliated with Section on Medical Sciences*

Society for Experimental Biology and Medicine, Pacific Coast Branch and Southern California Branch (0 + 11 papers)

*Affiliated with Section on Agriculture*

Western Society of Soil Science (21 + 4 papers)

Society of American Foresters, Denver Section (0 + 16 papers)

## GENERAL SESSIONS

Herbert M. Evans, Director of Institute of Experimental Biology, University of California. "The Development of Our Knowledge of Anterior Pituitary Function." (Address of president of the Pacific Division.)

Nevil V. Sidgwick, Lincoln College, Oxford, England. "Molecules." (Sixth Hector Maiben lecture.) Science 86: 335-340.

A. E. Douglass, University of Arizona. "Tree-rings and Chronology." (Eighth John Wesley Powell lecture.)

## SYMPOSIA

"Astrophysical Problems of the Ionosphere" (4 papers). American Physical Society, Section on Astronomy and Astronomical Society of the Pacific.

"Rocky Mountain Geomorphology" (8 papers). Section on Geology and Geography.

"Interrelations of the Sciences Which Compose Oceanography" (3 papers). Oceanographic Society of the Pacific.

"Rocky Mountain Spotted Fever" (4 papers). American Society of Parasitologists.

"Chlorosis and Some of the Minor Elements" (5 papers). American Society of Plant Physiologists and Western Society of Soil Science.

"Plant Hormones" (4 papers). American Society of Plant Physiologists.

"Drought Resistance in Plants" (6 papers). American Society of Plant Physiologists.

"Genetics and the Species Problem" (2 papers). Botanical Society of America.

"Conservation Management of Wildlife" (5 papers). Ecological Society of America.

"The Scientific Aspects of the Control of Drifting Soils" (3 papers). Ecological Society of America. Published in *The Scientific Monthly* 47: 22-33, 193-210, 381-399. 1938.

"Tuberculosis and Leprosy—The Mycobacterial Diseases" (21 papers). Publication No. 5 of the Association. 1938.

#### ANNOUNCEMENTS AND REPORTS OF MEETING

List of principal addresses to be delivered. Henry B. Ward. *Science* 85: 421. 1937.

Travel to Denver. Henry B. Ward. *Science* 85: 446. 1937.

Preliminary announcement of the meeting. Henry B. Ward. *Science* 85: 461-469. 1937.

Symposia at the Denver meeting. *Science* 85: 491-492. 1937.

Minutes of the Executive Committee. *Science* 85: 499-500. 1937.

Symposium on Control of Drifting Soils. *Science* 85: 514. 1937.

Permanent Secretary's general report, including reports of secretaries of the sections and of the participating societies. *Science* 86: 131-149. 1937.

#### THE INDIANAPOLIS MEETING, DEC. 27, 1937 - JAN. 1, 1938

*(The 101st meeting of the Association and its 3d meeting at Indianapolis)*

#### OFFICERS OF THE LOCAL COMMITTEE

Stanley Coulter, *chairman*; Ray C. Friesner, *secretary*

Henry T. Davis, *executive secretary*

## PARTICIPATING SOCIETIES

*Affiliated with Section on Mathematics*

American Mathematical Society (78 + 15 papers<sup>1</sup>)  
 Mathematical Association of America (5 + 1 papers)  
 Institute of Mathematical Statistics (8 + 7 papers)  
 National Council of Teachers of Mathematics (9 papers)  
 Association of Symbolic Logic (0 + 7 papers)

*Affiliated with the Section on Physics*

American Physical Society (64 + 3 papers)  
 American Association of Physics Teachers (23 + 3 papers)  
 American Meteorological Society (13 + 6 papers)  
 Sigma Pi Sigma Physics Honor Society

*Affiliated with Section on Zoological Sciences*

American Society of Zoologists (147 + 19 papers)  
 American Association of Economic Entomologists (108 + 7 papers)  
 Entomological Society of America (48 + 7 papers)  
 American Society of Parasitologists (68 papers)  
 Wilson Ornithological Club (37 papers)

*Affiliated with Section on Botanical Sciences*

Botanical Society of America (117 + 27 papers)  
 American Phytopathological Society (84 + 46 papers)  
 American Society of Plant Physiologists (49 + 11 papers)  
 Mycological Society of America (19 + 16 papers)  
 American Fern Society  
 Sullivant Moss Society (10 + 4 papers)  
 American Society of Plant Taxonomists

*Affiliated with Sections on Zoological and Botanical Sciences*

American Society of Naturalists (3 + 1 papers)  
 Ecological Society of America (31 + 28 papers)  
 Genetics Society of America (55 + 5 papers)  
 American Microscopical Society  
 Limnological Society of America (29 + 6 papers)  
 Phi Sigma Society (34 papers)  
 Beta Beta Beta Honorary Biological Fraternity

<sup>1</sup>The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society

*Affiliated with Section on Social and Economic Sciences*

Econometric Society (0 + 1 paper)

Metric Association (4 papers)

*Affiliated with Section on Historical and Philological Sciences*

History of Science Society (0 + 12 papers)

*Affiliated with Section on Engineering*

Institute of Aeronautical Sciences (8 papers)

Institute of Radio Engineers (5 papers)

*Affiliated with Section on Agriculture*

Potato Association of America (25 + 22 papers)

Society of American Foresters (0 + 10 papers)

*Science in General*

Society of the Sigma Xi (0 + 1 paper)

United Chapters of Phi Beta Kappa (0 + 1 paper)

American Nature Study Society (21 papers)

Gamma Alpha Graduate Scientific Fraternity

Honor Society of Phi Kappa Phi

Sigma Delta Epsilon Graduate Women's Fraternity

American Association of University Professors (2 papers)

American Science Teachers' Association (9 papers)

Union of American Biological Societies

Catholic Round Table of Science

## GENERAL SESSIONS

Edwin G. Conklin, Princeton University. "Science and Ethics." (Address of retiring president.) *Science* 86: 595-603. 1937.

Irving Langmuir, General Electric Company. "Biological Applications of Surface Chemistry." (Sixteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 26, No. 1. 1938.

George Lyman Kittredge, Harvard University. "Shakespeare and the Critics." (Third annual Phi Beta Kappa lecture.)

Thomas Parran, Surgeon-General, U. S. Public Health Service. "Syphilis as a Public Health Problem." *Science* 87: 147-152. 1938. Also Publication No. 6 (Syphilis) of the Association. 1938.

## SPECIAL SESSIONS

Charles A. Kraus, Brown University. "The Present Status of the Theory of Electrolytes." (Fourteenth Josiah Willard Gibbs lecture.)

Esmond R. Long, Henry Phipps Institute. "Tuberculosis, Leprosy and

Allied Mycobacterial Infections." *Science* 87: 23-31. 1938. Publication No. 5 (Tuberculosis and Leprosy) of the Association. 1938.

Harold G. Moulton, Brookings Institution. "Science and Society." *Science* 87: 173-179. 1938.

#### ADDRESSES OF VICE PRESIDENTS

*Section on Mathematics.* G. C. Evans, University of California. "Mathematical Progress in Theoretical Economics."

*Section on Physics.* George B. Pegram, Columbia University.

*Section on Chemistry.* Irving Langmuir, General Electric Company. "Overturning and Anchoring of Monolayers." *Science* 87: 493-500. 1938. Publication No. 7 (Applications of Surface Chemistry in Biology, pp. 9-18) of the Association. 1939.

*Section on Astronomy.* Frederick H. Seares, Mt. Wilson Observatory. "Magnitudes Again." *Science* 87: 1-8. 1938.

*Section on Geology.* George R. Mansfield, U. S. Geological Survey. "Geology in National and Everyday Life." *Science* 87: 49-57. 1938.

*Section on Zoological Sciences.* Ralph S. Lillie, University of Chicago. "The Nature of Organizing Action."

*Section on Botanical Sciences.* J. M. Greenman, Missouri Botanical Gardens, St. Louis. "Taxonomy as a Field for Research." *Science* 87: 265-266. 1938.

*Section on Anthropology.* Ralph Linton, University of Wisconsin. "The Present Status of Anthropology." *Science* 87: 241-248. 1938.

*Section on Psychology.* A. T. Poffenberger, Columbia University. "Some Unsolved Problems in Human Adjustment." *Science* 87: 124-129. 1938.

*Section on Social and Economic Sciences.* Harold G. Moulton, Brookings Institution. "Controlled Factors in Economic Development." *Science* 87: 173-179. 1938.

*Section on Engineering.* William E. Wickenden, Case School of Applied Science. "The Social Sciences and Engineering Education." *Science* 87: 152-158. 1938.

*Section on Medical Sciences.* Esmond R. Long, Phipps Institute. "Tuberculosis, Leprosy and Allied Mycobacterial Infections." *Science* 87: 23-31. Publication No. 5 (Tuberculosis and Leprosy, pp. 123-133) of the Association. 1938.

*Section on Education.* E. S. Evenden, Columbia University. "Factors Affecting the Salaries of College and University Teachers."

#### SYMPOSIA

"College Physics in Its Relations to Pre-College Education" (2 papers). American Association of Physics Teachers.

"The Applications of Surface Chemistry in Biology" (6 papers). Section on Chemistry. Publication No. 7 of the Association. 1939.

"Recent Advances in Chemical Physics" (9 papers). Section on Chemistry. Publication No. 7 of the Association. 1939.

"Oil in the Pennsylvanian of the Eastern Interior Basin" (10 papers). Section on Geology.

"Sex Differentiation" (4 papers). American Society of Zoologists and Genetics Society of America.

"Hydrobiology" (6 papers). American Society of Zoologists and Limnological Society of America.

"The Relation Between Insects and Plant Diseases" (5 papers). American Association of Economic Entomologists, Entomological Society of America and American Phytopathological Society.

"Agencies for Extending Entomological Information" (7 papers). American Association of Economic Entomologists.

"The Concept of the Genus" (5 papers). Botanical Society of America.

"Growth and Development of Meristems with Special Reference to Reproduction" (6 papers). Botanical Society of America, American Society of Plant Physiologists and American Society for Horticultural Science.

"The Origin and Distribution of the Flora of the Middle West (6 papers). Botanical Society of America.

"Methods of Teaching Plant Physiology" (4 papers). American Society of Plant Physiologists.

"The Nature of Protoplasm" (3 papers). American Society of Zoologists, Botanical Society of America and Genetics Society of America.

"Breeding to Meet Economic Needs" (4 papers). Genetics Society of America.

"Science and Society" (9 papers). Section on Social and Economic Sciences.

"The Endocrines and Behavior" (4 papers). Section on Psychology.

"Social Implications of Modern Science (5 papers). Section on Historical and Philological Sciences and History of Science Society.

"Maya Civilization" (3 papers). Section on Historical and Philological Sciences.

"Syphilis" (29 papers). Section on Medical Sciences. Publication No. 6 of the Association. 1938.

"The Role of Minor Element Fertilization in Economic Plant Production" (8 papers). Section on Agriculture, American Society for Horticultural Science, Potato Association of America and American Society of Agronomy.

"Need for a Twelve Year Science Program for American Public Schools" (5 papers). American Science Teachers Association.

## ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the Indianapolis Meeting. F. R. Moulton. Science 86: 503-510. 1937.

Permanent Secretary's general report of meeting (including reports of the secretaries of the sections and of the participating societies). Science 87: 95-117. 1938.

## MISCELLANEOUS ARTICLES, NOTES AND REPORTS

George David Birkhoff, president-elect of the Association for 1937. Science 85: 131. 1937.

Report of Committee on Grants for 1937. Science 85: 164. 1937.

Joint meeting of the Lancaster, Pa., Branch. Science 85: 283.

Principal Addresses at the Denver Meeting. F. R. Moulton. Science 85: 421. 1937.

Minutes of the April meeting of the Executive Committee. Henry B. Ward. Science 85: 499-500. 1937.

"Science." F. R. Moulton. Science 85: 571-575. 1937.

Activities of the Phoenix Branch of the Association. A. L. Flagg. Science 86: 58. 1937.

"Science and Society." F. R. Moulton. Science 86: 387-391. 1937.

Symposia Organized by the Section on Medical Sciences of the Association. Earl B. McKinley. Science 86: 414. 1937.

"Science and Democracy." J. McKeen Cattell. Science 86: 443. 1937.

October meeting of the Executive Committee of the Association. F. R. Moulton. Science 86: 495-496. 1937.

"New Societies and Shifting Interests." Henry B. Ward. Science 86: 579-580. 1937.

"Resolutions on Intellectual Freedom." Science 87: 10. 1938.

"Tuberculosis, Leprosy and Other Diseases Caused by Acid-Fast Bacteria." Wm. Charles White. Science 87: 14-15. 1938.

"Science's Magna Charta." The New York Times. Science 87: 16-17. 1938.

"Science for Humanity's Sake." The Washington Post. Science 87: 118. 1938.

"Pandemic Botany." C. Stuart Gager. Science 87: 285-292. 1938.

"Functions of an Ecological Society." R. E. Coker. Science 87: 310-315. 1938.

"Progress in Horticultural Science." Arthur J. Heinicke. Science 87: 333-337. 1938.



# SUMMARIZED PROCEEDINGS

For the Calendar Year 1938

*Volume LXI*



## SUMMARIZED PROCEEDINGS FOR 1938

The Association held two meetings in the calendar year 1938, one at Ottawa, Canada, from June 27 to July 2, inclusive, and the other in Richmond, Virginia, from December 27 to 31, inclusive. The Ottawa meeting was the fifth meeting of the Association in Canada, but the first in Ottawa; the Richmond meeting was the first meeting of the Association in Virginia. The Pacific Division held a meeting in San Diego, California, from June 20 to 25, inclusive, and the Southwestern Division held a meeting at Albuquerque, New Mexico, from April 25 to 28, inclusive.

At the Ottawa meeting the registration was 1104 and 466 addresses and papers were listed on the programs; at the Richmond meeting the registration was 2553 and 1706 addresses and papers were listed on the programs; at the San Diego meeting of the Pacific Division 832 persons were registered and the programs contained the titles of 312 addresses and papers; and at the Albuquerque meeting 113 persons were registered and 110 addresses and papers were delivered or read. At the close of the fiscal year 1938 (Sept. 30) the membership of the Association was 19,059, and the memberships of the Pacific and Southwestern Divisions were 2096 and 410, respectively.

## OFFICERS OF THE ASSOCIATION FOR 1938

*President.* Wesley C. Mitchell (economics), Columbia University.

*Retiring President.* George D. Birkhoff (mathematics), Harvard University.

*Permanent Secretary.* F. R. Moulton, Washington, D. C.

*General Secretary.* Otis W. Caldwell, Boyce Thompson Institute for Plant Research.

*Treasurer.* John L. Wirt, Washington, D. C.

*Secretary of the Council.* Charles A. Shull, University of Chicago.

*Executive Assistant.* Sam Woodley, Washington, D. C.

*Auditor.* W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

*Counsel.* Charles S. Baker, Washington, D. C.

*Members of the Executive Committee* (page 95)

*Members of the Finance Committee* (page 95)

*Members of the Committee on Grants* (page 95)

*Members of the Council* (pages 95, 92-94)

*Section Officers* (pages 92-94)

OFFICERS OF THE PACIFIC DIVISION  
*(For the fiscal year June, 1937 - June, 1938)*

*President.* J. S. Plaskett, Victoria, B. C., Canada.

*Secretary.* J. Murray Luck, Stanford University, Calif.

*Council Representative.* Roy E. Clausen, University of California.

OFFICERS OF THE SOUTHWESTERN DIVISION  
*(For the fiscal year April, 1937 - April, 1938)*

*President.* Frank E. E. Germann, University of Colorado.

*Secretary.* Veon C. Kiech, University of New Mexico.

*Council Representative.* Frank E. E. Germann, University of Colorado.

THE OTTAWA, CANADA, MEETING, JUNE 27 TO JULY 2, 1938

*(The 102d meeting of the Association and the 5th meeting in Canada)*

OFFICERS OF THE LOCAL COMMITTEE

His Excellency, Lord Tweedsmuir, *patron*  
 Senator Raoul Dandurand, *honorary chairman*  
 C. Camsell, *chairman*

PARTICIPATING SOCIETIES

*Affiliated with Section on Astronomy*

Royal Astronomical Society of Canada (0 + 30 papers<sup>1</sup>)

*Affiliated with Section on Geology and Geography*

Geological Society of America (0 + 41 papers)

*Affiliated with Section on Zoological Sciences*

American Association of Economic Entomologists and Entomological Society of America and Entomological Society of Ontario in joint sessions (0 + 28 papers)

*Affiliated with Section on Botanical Sciences*

Canadian Phytopathological Society (0 + 6 papers)

American Phytopathological Society (0 + 26 papers)

American Society of Plant Physiologists (6 + 20 papers)

Botanical Society of America (0 + 5 papers)

American Society of Plant Taxonomists (0 + 5 papers)

<sup>1</sup> First number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

*Affiliated with Sections on Zoological and Botanical Sciences*

Ecological Society of America (0 + 8 papers)

Genetics Society of America (14 + 22 papers)

*Affiliated with Section on Social and Economic Sciences*

American Statistical Association (9 + 3 papers)

Canadian Agricultural Economics Society (20 + 3 papers)

*Affiliated with Section on Engineering*

Institute of the Aeronautical Sciences (9 papers)

*Affiliated with Section on Agriculture*

Society of American Foresters and Association of Forest Engineers of Quebec and Canadian Pulp and Paper Association, Woodlands Section, and Canadian Society of Forest Engineers (14 + 11 papers)

Canadian Society of Technical Agriculturists and Canadian Society of Animal Production and Canadian Agricultural Economics Society in joint sessions (0 + 55 papers)

American Society of Agronomy (7 papers)

## GENERAL SESSIONS

Robert C. Wallace, Queen's University, Kingston, Ontario. "The Changing Values of Science." (Seventh Hector Maiben lecture.) Science 88: 265-272. 1938.

Stuart A. Rice, U. S. Central Statistical Bureau, Washington. "World Standards of Living." (First address on Science and Society program.) Science 90: 167-172. 1939.

F. E. Lathe, Division of Research Information, National Research Council of Canada. "World Natural Resources." (Second address on Science and Society program.) Science 88: 337-344. 1938.

William Crocker, Director, Boyce Thompson Institute for Plant Research. "The Botanical Sciences and the Future." (Third address on Science and Society program.) Science 88: 387-394. 1938.

Frank R. Lillie, The University of Chicago. "Zoological Sciences in the Future." (Fourth address on Science and Society program.) Science 88: 65-72.

Arthur H. Compton, University of Chicago. "Physics and the Future." (Fifth address on Science and Society program.) Science 88: 115-121.

Harold C. Urey, Columbia University. "Chemistry and the Future." (Sixth address on Science and Society program.) Science 88: 133-139.

M. W. Smith, Westinghouse Electric and Manufacturing Company. "The

Application of Science to the Electrical Industry." (Seventh address on Science and Society program.)

John Johnston, Director of Research, U. S. Steel Corporation. "The Application of Science to the Metallurgical Field." (Eighth address on Science and Society program.) *The Scientific Monthly* 48: 493-503. 1939.

#### SYMPOSIA

"Medical Biochemistry" (6 papers). Section on Chemistry and Section on Medical Sciences.

"The Nutrition Problem in North America" (8 papers). Section on Chemistry.

"The Application of Isotopes to Biochemical Properties" (4 papers). Section on Chemistry and Section on Zoological Sciences.

"Atmospheric Ozone and Measurement of Ultraviolet Light in Solar Radiation" (4 papers). Section on Astronomy and Royal Astronomical Society of Canada.

"The Migration and Conservation of Salmon" (6 papers). Section on Zoological Sciences. Publication No. 8 of the Association. 1939.

"The Relation of Insects to Forest Conservation" (5 papers). American Association of Economic Entomologists, Entomological Society of America, Entomological Society of Ontario, Society of American Foresters, Canadian Society of Forest Engineers and Association of Forest Engineers of Quebec.

"The Genetics of Pathogenic Organisms" (11 papers). Section on Botanical Sciences, Section on Medical Sciences, Section on Agriculture and Genetics Society of America. Publication No. 12 of the Association. 1940.

"Phytogeographical Problems of Northeastern Canada" (5 papers). Section on Botanical Sciences, Botanical Society of America and American Society of Plant Taxonomists.

"Root Rots and Seed Borne Diseases" (6 papers). Canadian Phytopathological Society and American Phytopathological Society.

"Micro-Elements and Deficiency Diseases" (9 papers). American Phytopathological Society and American Society of Plant Physiologists.

"Drought Relations" (11 papers). American Society of Plant Physiologists and Genetics Society of America.

"The Influence of Fire on Forests, Wild Life and Public Welfare" (3 papers). Ecological Society of America, Society of American Foresters and Canadian Society of Forest Engineers.

"History of Science in Canada" (9 papers). Section on Historical and Philological Sciences.

"*Bacillus Calmette-Guérin* (B.C.G.)" (5 papers). Section on Medical Sciences.

"Progress of Swine Improvement in Canada" (7 papers). Canadian Agricultural Economics Society.

## ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary Announcement for the Ottawa Meeting. Science 87: 445-451. 1938.

American and Canadian Scientists Meet in Ottawa. F. R. Moulton. The Scientific Monthly 47: 87-89. 1938.

Permanent Secretary's general report of the meeting, including reports of the secretaries of the sections and of the participating societies. F. R. Moulton. Science 88: 87-101. 1938.

Report of the Ottawa Meeting. F. R. Moulton. The Scientific Monthly 47: 183-184. 1938.

THE VIRGINIA (RICHMOND) MEETING, DEC. 27-31, 1938  
(*The 103d meeting of the Association and its 1st meeting in Virginia*)

## OFFICERS OF LOCAL COMMITTEE

Lloyd C. Bird, *chairman*; W. Catesby Jones, *co-chairman*  
L. W. Himmler, *secretary*

## PARTICIPATING SOCIETIES

*Affiliated with Section on Mathematics*

American Mathematical Society (0 + 2 papers<sup>1</sup>)

Mathematical Association of America (0 + 2 papers)

*Affiliated with Section on Physics*

American Meteorological Society (14 papers)

*Affiliated with Section on Astronomy*

Society for Research on Meteorites (14 + 9 papers)

*Affiliated with Section on Geology and Geography*

Geological Society of America (0 + 59 papers)

American Geophysical Union (0 + 9 papers)

Carolina Geological Society (0 + 29 papers)

*Affiliated with Section on Zoological Sciences*

American Society of Zoologists (156 + 7 papers)

<sup>1</sup> The first number is the number of papers on the program of the society alone; the second is the number presented before a joint session of the society and another society.

American Association of Economic Entomologists (98 + 12 papers)  
Entomological Society of America (33 + 6 papers)  
American Society of Parasitologists (73 papers)

*Affiliated with Section on Botanical Sciences*

Botanical Society of America (82 + 80 papers)  
American Phytopathological Society (95 + 49 papers)  
American Society of Plant Physiologists (42 + 46 papers)  
Mycological Society of America (30 + 16 papers)  
Sullivant Moss Society (12 papers)  
American Fern Society (1 paper)  
American Society of Plant Taxonomists

*Affiliated with Sections on Zoological and Botanical Sciences*

American Society of Naturalists (1 + 3 papers)  
Ecological Society of America (36 + 21 papers)  
Genetics Society of America (58 + 7 papers)  
American Microscopical Society  
Limnological Society of America (29 + 0 papers)  
National Association of Biology Teachers (9 papers)

*Affiliated with Section on Medical Sciences*

American Psychiatric Association, Council

*Affiliated with Section on Agriculture*

American Society of Agronomy (0 + 4 papers)  
American Society for Horticultural Sciences  
Potato Association of America (34 + 25 papers)  
Society of American Foresters (0 + 4 papers)

*Science in General*

Society of the Sigma Xi  
United Chapters of Phi Beta Kappa  
American Nature Study Society (22 papers)  
American Science Teachers Association (8 papers)  
Gamma Alpha Graduate Scientific Fraternity  
Sigma Delta Epsilon Graduate Women's Fraternity  
Pi Gamma Mu  
Union of American Biological Societies  
Catholic Round Table of Science

## GENERAL SESSIONS

George D. Birkhoff, Harvard University. "Intuition, Reason and Faith in Science." (Address of retiring president of the Association.) *Science* 88: 601-609. 1938.

W. F. Durand, Stanford University. "Modern Trends in Air Transport." (Seventeenth annual Sigma Xi address.) *Sigma Xi Quarterly* 27, No. 1. 1939.

Frank Pierrepont Graves, president of the University of the State of New York. "Is Education a Science?" (Fourth annual Phi Beta Kappa lecture.) *The American Scholar*. 1939.

David Sarnoff, Radio Corporation of America. "Science and Freedom." Radio Corporation of America. 1938.

Sir Richard Gregory, editor of *Nature*, London, England. "Religion in Science." *The Scientific Monthly* 48: 99-108. 1939.

C. McFie Campbell, Director, Boston Psychopathic Hospital. "Human Needs and Social Resources." *The Scientific Monthly* 48: 293-307. 1939. Publication No. 9 of the Association (Mental Health), pp. 457-470. 1939.

Harvey Fletcher, Bell Telephone Laboratories, New York. "Auditory Patterns." (Address of retiring vice president for the Section on Physics.)

## SPECIAL SESSIONS

Cranston Williams, Southern Newspaper Publishers Association. "Dr. Charles Herty's Methods for Meeting the Problems of the South."

Wm. T. Sanger, president of the Medical College of Virginia. "Virginia Homes and Gardens." (Illustrated by colored slides.)

Wm. M. Mann, director of the National Zoological Park, Washington, D. C. "Motion Pictures of Wild Animals in Sumatra."

## ADDRESSES OF VICE PRESIDENTS

*Section on Mathematics.* W. D. Cairns, Oberlin College. "Seismology from a Mathematical Viewpoint." *Science* 89: 113-118. 1939.

*Section on Physics.* Harvey B. Fletcher, Bell Telephone Laboratories. "Auditory Patterns." (With demonstrations.)

*Section on Chemistry.* Farrington Daniels, University of Wisconsin. "Reaction Rates."

*Section on Astronomy.* Philip Fox, Museum of Science and Industry, Chicago. "Astronomers and Their Tools."

*Section on Geology and Geography.* Kirtley F. Mather, Harvard University. "Earth Structure and Earth Origin." *Science* 89: 65-70. 1939.

*Section on Zoological Sciences.* F. B. Sumner, Scripps Institute of Oceanography. "Human Psychology and Some Things That Fishes Do." *The Scientific Monthly* 49: 245-255. 1939.

*Section on Botanical Sciences.* F. E. Denny, Boyce Thompson Institute for Plant Research. "Production of Ethylene by Plants."

*Section on Anthropology.* John Swanton, U. S. Bureau of American Ethnology. "Some Thoughts on the Problem of Progress and Decline." *Science* 89: 253-258. 1939.

*Section on Psychology.* Calvin P. Stone, Stanford University. "Individual Differences as Points of Departure for Research in Animal Psychology."

*Section on Historical and Philological Sciences.* R. C. Archibald, Brown University. "Mathematics, and Poetry and Drama." *Science* 89: 19-26, 46-50. 1939.

*Section on Social and Economic Sciences.* Stuart A. Rice. "Standards of Living as Functions of Science and of Social Organization." *Science* 90: 167-172. 1939.

*Section on Engineering.* Joseph W. Barker, Columbia University. "Engineering Planning vs. Planned Economy."

*Section on Medical Sciences.* Thomas M. Rivers, Rockefeller Institute for Medical Research, New York. "The Nature of Viruses."

*Section on Agriculture.* E. C. Auchter, U. S. Bureau of Plant Industry, Washington, D. C. "The Inter-relations of Soils and Plant, Animal and Human Nutrition." *Science* 89: 421-427. 1939.

*Section on Education.* Ralph W. Tyler, The University of Chicago. "Basic Considerations in the Improvement of Educational Tests."

#### SYMPOSIA

"Reaction Rates in Organic Chemistry" (5 papers). Section on Chemistry.

"Natural Resins" (4 papers). Section on Chemistry.

"Phenanthrene and Related Compounds" (6 papers). Section on Chemistry.

"The Importance of Geophysics to the Study of Continental Borders" (9 papers). Section on Geology and Geography, American Geophysical Union, Geological Society of America and Section on Astronomy.

"Geology of the Coastal Plain and Continental Shelf" (12 papers). Section on Geology and Geography and Geological Society of America.

"Chromosome Structure" (4 papers). American Society of Zoologists and Genetics Society of America.

"Color Changes in Animals, Their Significance and Activation" (6 papers). American Society of Zoologists.

"Mating Types and Their Interactions in Ciliate Infusoria; Determination, Inheritance and Relation to Sexuality" (6 papers). American Society of Zoologists.

"Insect Populations" (5 papers). American Association of Economic Entomologists, Entomological Society of America and Ecological Society of America.

"The Effects of Water-Soluble Growth-Promoting Substances on Plants" (3 papers). Botanical Society of America.

"Influence of Low Temperature on Plants" (5 papers). Botanical Society of America.

"The Structure of Chloroplasts" (3 papers). Botanical Society of America.

"The Physiology and Diseases of Cotton" (9 papers). American Society of Plant Physiologists, American Phytopathological Society and Botanical Society of America, Physiological Section.

"The Teaching of Plant Physiology" (5 papers). American Society of Plant Physiologists.

"Contributions of the Higher Animals to an Understanding of Human Biology" (3 papers). American Society of Naturalists, American Society of Zoologists, Botanical Society of America, Genetics Society of America and Section on Anthropology.

"Some Leading Problems of Limnology with Special Reference to Lakes" (9 papers). Limnological Society of America. Publication No. 10 of the Association entitled "Problems of Lake Biology." 1939.

"Research in Audition: The Next Steps" (5 papers). Section on Psychology.

"Significance of the Pareto Distribution" (3 papers). Section on Social and Economic Sciences.

"Centenary of the Cell Theory" (7 papers). Section on Historical and Philological Sciences, Section on Zoological Sciences and Section on Botanical Sciences. Reprinted from the American Naturalist by the Jaques Cattell Press. 1940.

"Mental Health" (94 papers). Section on Medical Sciences. Publication No. 9 of the Association. 1939.

"Dental Caries: Diet and Nutrition; Bacterial; Heredity; Distribution; Chemical; Tooth Structure; Blood and Saliva" (22 papers). Subsection on Dentistry.

"Glycols" (5 papers). Subsection on Pharmacy.

"Land Use" (3 papers). Section on Agriculture and Section on Social and Economic Sciences.

"Economic Effects on Education" (4 papers). Section on Education.

"Problems of Interpretation of Educational Research" (7 papers). Section on Education.

"Problems in Reading" (4 papers). Section on Education.

"New Developments in Education" (5 papers). Section on Education.

"Ferns of Virginia and Neighboring States." American Fern Society.

## ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary Announcement of the Virginia meeting. F. R. Moulton. Science 88: 509-517. 1938.

The Virginia (Richmond) meeting of the Association. F. R. Moulton. The Scientific Monthly 47: 561-563. 1938.

Permanent Secretary's general report, including reports of the secretaries of the sections and of the participating societies. Science 89: 89-112. 1939.

## MISCELLANEOUS ARTICLES, NOTES AND REPORTS

A Special Research Conference on Chemistry organized by the Section on Chemistry. F. R. Moulton. Science 88: 8-9. 1938.

Cooperation Between the British and American Associations. F. R. Moulton. Science 88: 258-259. 1938.

The Scientific Monthly and the American Association for the Advancement of Science. J. McKeen Cattell. Science 88: 428-429. 1938.

Symposium on Mental Health. Malcolm H. Soule. Science 88: 302-305.

The Cell and the Problem of Organization. Edmund W. Sinnott. Science 89: 41-46. 1939.

Walter B. Cannon, President-Elect of the Association. Esmond R. Long. Science 89: 92-93. 1939.

Financial Reports of the Treasurer and the Permanent Secretary. F. R. Moulton. Science 89: 201-202. 1939.

Grants in Aid of Research for 1939. Science 89: 405. 1939.

## THE SAN DIEGO, CALIF., MEETING, JUNE 20-25, 1938

*(The 22d annual meeting of the Pacific Division)*

## LOCAL ORGANIZATIONS SPONSORING THE MEETING

San Diego Society of Natural History

Scripps Institution of Oceanography

San Diego Museum Association

Zoological Society of San Diego

San Diego State College

San Diego County Medical College

## PARTICIPATING SOCIETIES

American Association of Physics Teachers (5 papers)

American Meteorological Society (12 papers)

American Physical Society (9 papers)

American Chemical Society (42 papers)

Astronomical Society of the Pacific (31 papers)

Association of Pacific Coast Geographers (14 papers)  
Oceanographic Society of the Pacific (8 papers)  
American Association of Economic Entomologists, Pacific Slope Branch  
(15 papers)  
American Society of Ichthyologists and Herpetologists, Western Division  
Pacific Coast Entomological Society  
Western Society of Naturalists (9 papers)  
American Phytopathological Society, Pacific Division (24 papers)  
American Society of Plant Physiologists, Western Section (35 papers)  
Botanical Society of America, Pacific Section (25 papers)  
Ecological Society of America (14 papers)  
American Anthropological Association, Pacific Division (17 papers)  
Society of American Bacteriologists, Southern California Section  
(10 papers)  
Society for Experimental Biology and Medicine, Pacific Coast Branch  
and Society for Experimental Biology and Medicine, Southern California Branch (8 papers)  
Western Society of Soil Science (20 papers)

#### GENERAL SESSIONS

J. S. Plaskett, Director, Dominion Astrophysical Observatory, Victoria, B. C. "Modern Conceptions of the Stellar System." (Address of retiring president of the Pacific Division.)

B. O. Raulston, University of California, Los Angeles; A. J. Carlson, University of Chicago; and Harry Beal Torrey, Stanford University, were the speakers on a general session symposium on "Animal Experimentation." *Science* 88: 245-250. 1938.

John B. Leighly, University of California, Berkeley; Ernst Antevs, Globe, Arizona, Merrill K. Bennett, Stanford University, and C. M. Reynolds, Stanford University, were the participants in a general session symposium on "Climate and Man."

C. Skottsberg, Botanical Garden, Gothenburg, Sweden. "The Distribution of Flowering Plants Over the Pacific Ocean and Its Significance."

#### SPECIAL REPORTS ON SCIENTIFIC PROGRESS

J. A. Anderson, Mount Wilson Observatory. "Recent Instrumental Developments in Astronomy."

H. U. Sverdrup, Scripps Institution of Oceanography. "Recent Advances in Our Knowledge of the Oceans."

C. H. Danforth, Stanford University. "The Sex Hormones."

Richard Goldschmidt, University of California, Berkeley, Calif. "Genetics."

## SYMPOSIA

"Nuclear Transformations and Their Astrophysical Significance" (3 papers). American Physical Society and Astronomical Society of the Pacific.

"Physical Problems of the Ocean" (6 papers). American Physical Society.

"Salt Tolerance of Plants and Related Problems" (4 papers). American Society of Plant Physiologists, Western Section, and Western Society of Soil Science.

"Plant Invasion on the Pacific Coast" (4 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"Cell Wall Structure" (5 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"A Resume of Progress in Plant Science" (4 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"History and Relationships of the Southwestern Flora" (3 papers). Botanical Society of America, Pacific Section.

"The Problem of Culture Sequence on the West Coast" (5 papers). American Anthropological Association, Pacific Division.

## PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the San Diego meeting of the Pacific Division. *Science* 87: 317-318. 1938.

Secretary's general report of the meeting. J. Murray Luck. *Science* 88: 195-204. 1938.

THE ALBUQUERQUE, NEW MEXICO, MEETING,  
APRIL 25-28, 1938

*(The 18th meeting of the Southwestern Division and its 2d meeting in Albuquerque)*

## PARTICIPATING SOCIETIES

Mathematical Association of America, Southwestern Section

Society of American Foresters, Southwestern Section

American Association of University Professors, Rocky Mountain Region

American Society of Civil Engineers, New Mexico Section

## GENERAL SESSIONS

Frank E. E. Germann, University of Colorado. "The Occurrence of Carbon Dioxide with Notes on the Origin and Relative Importance of Sub-

terranean Carbon Dioxide." (Address of retiring president.) Science 87: 513-521. 1938.

E. R. Hedrick, Provost of University of California, Los Angeles. "Relations of Science to Economics and to War." (Ninth John Wesley Powell lecture.)

Herbert C. Stewart, Head of Section of Erosion Control Practices, Rio Grande District, Soil Conservation Service, and Thomas Maddock, Section of Watershed and Hydrologic Studies, Soil Conservation Service, were the speakers at a general-session symposium on "The Results of Soil Conservation," at which John D. Clark presided.

E. R. Hedrick, Provost of University of California, Los Angeles, and Harold Benjamin, Dean of College of Education, University of Colorado, delivered addresses at a dinner of the American Association of University Professors, the former on "Place and Function of Faculties in University Government" and the latter on "University Administration in the Americas."

#### SYMPOSIA

"Social Diseases" (4 papers). Biological Sciences Section.

"Meteorology" (4 papers). Physical Sciences Section.

"Teaching Problems in Mathematics" (5 papers). Mathematics Section.

#### PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the Albuquerque Meeting of the Southwestern Division. Veon C. Kiech. Science 87: 134. 1938.

Secretary's general report of the meeting. Veon C. Kiech. Science 87: 508-510. 1938.



# SUMMARIZED PROCEEDINGS

For the Calendar Year 1939

*Volume LXII*



## SUMMARIZED PROCEEDINGS FOR 1939

The Association held two meetings in the calendar year 1939, a summer meeting at Milwaukee, Wis., June 19-24, and the annual meeting at Columbus, Ohio, Dec. 27, 1939 - Jan. 2, 1940. The only previous meeting held in Wisconsin was at Madison in August, 1893. The Association first met in Columbus in August, 1899, and held a second meeting there in Dec., 1915-Jan., 1916. The Pacific Division held its annual meeting at Stanford University, June 26 - July 1, 1939. The Southwestern Division held its annual meeting in connection with the dedication of the McDonald Observatory at Alpine, Texas, May 2-5, 1939.

At the Milwaukee meeting the registration was 331 and there were 264 papers listed on the programs. At the annual meeting in Columbus 2715 persons were registered and 2154 addresses and papers were delivered or read. At the Pacific Division meeting at Stanford University the registration was 882, with 440 papers on the program. The registration was not reported for the meeting of the Southwestern Division at Alpine; there were 112 papers on the program.

## OFFICERS OF THE ASSOCIATION FOR 1939

*President.* Walter B. Cannon, Harvard University.

*Retiring President.* Wesley C. Mitchell, Columbia University.

*Permanent Secretary.* F. R. Moulton, Washington, D. C.

*General Secretary.* Otis W. Caldwell, Boyce Thompson Institute for Plant Research.

*Treasurer.* John L. Wirt, Washington, D. C.

*Assistant Secretary.* Sam Woodley, Washington, D. C.

*Auditor.* W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

*Counsel.* Charles S. Baker, Washington, D. C.

*Members of the Executive Committee* (page 95)

*Members of the Finance Committee* (page 95)

*Members of the Committee on Grants* (page 95)

*Members of the Council* (pages 95, 92-94)

*Section Officers* (pages 92-94)

## OFFICERS OF THE PACIFIC DIVISION

(For the fiscal year June, 1938 - June, 1939)

*President.* S. J. Holmes, University of California.

*Secretary.* J. Murray Luck, Stanford University.

*Council Representative.* Roy E. Clausen, University of California.

## OFFICERS OF THE SOUTHWESTERN DIVISION

*(For the fiscal year April, 1938 - April, 1939)**President.* E. F. Carpenter, University of Arizona.*Secretary.* Emil Haury, University of Arizona.*Council Representative.* Frank E. E. Germann, University of Colorado.

## THE MILWAUKEE MEETING, JUNE 19-24, 1939

*(The 104th meeting of the Association)*

## OFFICERS OF THE LOCAL COMMITTEE

S. A. Barrett, *general chairman*Governor Julius P. Heil, *honorary co-chairman*Mayor Daniel W. Hoan, *honorary co-chairman*Dr. Clarence Dykstra, *honorary co-chairman*Rev. R. C. McCarthy, S. J., *honorary co-chairman*

## PARTICIPATING SOCIETIES

*Affiliated with Section on Physics*

American Meteorological Society (22 papers)

*Affiliated with Section on Botanical Sciences*American Society of Plant Physiologists (3 + 3 papers<sup>1</sup>)

American Phytopathological Society (0 + 3 papers)

*Affiliated with Sections on Zoological and Botanical Sciences*

Ecological Society of America (4 + 12 papers)

*Affiliated with Section on Social and Economic Sciences*

Population Association of America (0 + 20 papers)

*Affiliated with Section on Engineering*

American Society of Agricultural Engineers (0 + 14 papers)

*Affiliated with Section on Medical Sciences*

American Neisserian Medical Society (0 + 33 papers)

*Affiliated with Section on Agriculture*

Society of American Foresters (17 + 4 papers)

## GENERAL SESSIONS

Victor G. Heiser, Metropolitan Tower, New York. "The Influence of

<sup>1</sup> First number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Nutrition on the Diseases of Middle and Old Age." *The Scientific Monthly* 49: 304-310. 1939.

Heber D. Curtis, University of Michigan. "Solar Storms." (Illustrated with motion pictures taken at the McMath-Hulbert Observatory of the University of Michigan.)

#### SPECIAL SESSIONS

The third conference on "Science and Society" consisted of four Special Sessions at each of which two papers were presented. They were as follows:

George W. Edwards, College of the City of New York. "The Capitalistic System and How It Evolved."

Rufus S. Tucker, General Motors Corporation. "Free Enterprise and Scientific Development."

Charles F. Roos, Institute of Applied Econometrics. "The Application of Natural Science Methodology to Economic Studies."

Harold G. Moulton, The Brookings Institution. "Economics and Its Dynamic Aspects."

Leverett S. Lyon, The Brookings Institution. "The Role of Government in the Economic System."

James W. Bell, Northwestern University. "Government Finance and Economic Stability."

Charles H. Judd, National Resources Committee. "Present Relations of Government to Science."

William F. Ogburn, University of Chicago. "Should the Government Finance Non-governmental Research Activities?"

#### SYMPOSIA

"Kinetics of Homogeneous Gas Reactions" (19 papers). The Section on Chemistry and American Chemical Society, Division of Physical and Inorganic Chemistry. (Presented at the University of Wisconsin, Madison, Wis., June 20-22.)

"Soil Conservation and Land Utilization in the Great Lakes Region" (14 papers). The Section on Geology and Geography, American Society of Agricultural Engineers, the Section on Engineering, Association of American Geographers and Geological Society of America.

"The Relation of Genetics to Geographical Distribution and Speciation" (5 papers). Section on Zoological Sciences.

"Regeneration" (5 papers). Section on Zoological Sciences.

"Socio-Economic Approach to Land Use" (4 papers). Section on Botanical Sciences, Ecological Society of America, Society of American Foresters and Section on Agriculture.

"Photoperiodism" (3 papers). American Society of Plant Physiologists,

Section on Botanical Sciences and American Phytopathological Society.

"Measuring Attitudes." Section on Psychology.

"Psychological Bases of Mental Hygiene." Section on Psychology.

"Neuromuscular Tension." Section on Psychology.

"Population Problems and Programs in the Northern Lake States" (17 papers). The Section on Social and Economic Sciences, Population Association of America, Ecological Society of America and Section on Agriculture.

"Gonococcus and Gonococcal Infection" (33 papers). The Section on Medical Sciences and the American Neisserian Medical Society. Publication No. 11 of the Association. 1939.

"Vitamins with Particular Reference to Their Standardization" (6 papers). Subsection on Pharmacy.

"Forest Rehabilitation in the Lake States" (8 papers). Society of American Foresters.

"The Education of the Emotions" (17 papers). The Section on Education.

#### ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary Announcement of the Milwaukee Meeting. F. R. Moulton. *Science* 89: 469-474. 1939.

"Milwaukee a Mecca for Scientists in June." F. R. Moulton. *The Scientific Monthly* 48: 575-576. 1939.

Permanent Secretary's general report of the meeting, including reports of the secretaries of the sections and of the participating societies. F. R. Moulton. *Science* 90: 45-55. 1939.

"Reflections on the Milwaukee Meeting." F. R. Moulton. *The Scientific Monthly* 49: 86-88. 1939.

#### MISCELLANEOUS ARTICLES, NOTES AND REPORTS

"The American Association for the Advancement of Science and the National Education Association." *Science* 89: 147. 1939.

Financial reports of the Treasurer and the Permanent Secretary for the fiscal year ended September 30, 1938. *Science* 89: 201-202. 1939.

"The Society of the Sigma Xi." Edward Ellery. *Science* 89: 201. 1939.

Joint Symposium of the American Chemical Society, the University of Wisconsin and the A.A.A.S. Harold C. Urey. *Science* 89: 463-464. 1939.

"Science and Social Pioneering." Isaiah Bowman, president of The Johns Hopkins University. (The first British and American Association exchange lecture. The Dundee, Scotland, meeting of the British Association, September, 1939.) *Science* 90: 309-319. 1939.

THE COLUMBUS, OHIO, MEETING, DEC. 27, 1939 - JAN. 2, 1940  
(*The 105th meeting of the Association and its 3d meeting at Columbus*)

## OFFICERS OF THE LOCAL COMMITTEE

Alpheus W. Smith, *chairman*Howard L. Hamilton, *executive secretary*

## PARTICIPATING SOCIETIES

*Affiliated with Section on Mathematics*American Mathematical Society (64 + 4 papers<sup>1</sup>)

Mathematical Association of America (6 + 6 papers)

National Council of Teachers of Mathematics (16 + 5 papers)

*Affiliated with Section on Physics*

American Physical Society (75 + 2 papers)

American Association of Physics Teachers (25 + 2 papers)

American Meteorological Society (9 papers)

*Affiliated with Section on Astronomy*

American Astronomical Society (39 + 11 papers)

Society for Research on Meteorites (9 + 14 papers)

*Affiliated with Section on Geology and Geography*

Geological Society of America (0 + 55 papers)

Ohio Academy of Science, Section of Geology (0 + 31 papers)

American Geophysical Union (0 + 6 papers)

*Affiliated with Section on Zoological Sciences*

American Society of Zoologists (187 + 8 papers)

American Association of Economic Entomologists (105 + 9 papers)

Entomological Society of America (49 + 15 papers)

American Society of Parasitologists (84 papers)

*Affiliated with Section on Botanical Sciences*

Section on Botanical Sciences

Botanical Society of America (111 + 55 papers)

American Phytopathological Society (101 + 53 papers)

American Society of Plant Physiologists (37 + 16 papers)

Mycological Society of America (22 + 17 papers)

Sullivan Moss Society (14 papers)

American Fern Society (2 + 4 papers)

American Society of Plant Taxonomists

<sup>1</sup> First number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

*Affiliated with Sections on Zoological and Botanical Sciences*

American Society of Naturalists (1 + 3 papers)  
 Ecological Society of America (43 + 29 papers)  
 Genetics Society of America (58 + 8 papers)  
 American Microscopical Society  
 Limnological Society of America (32 + 8 papers)  
 Phi Sigma Society (24 papers)  
 National Association of Biology Teachers (12 papers)  
 Union of American Biological Societies

*Affiliated with Section on Social and Economic Sciences*

Metric Association (7 papers)

*Affiliated with Section on Historical and Philological Sciences*

History of Science Society (5 + 1 papers)

*Affiliated with Section on Agriculture*

Society of American Foresters (15 + 14 papers)  
 American Society for Horticultural Sciences (178 + 31 papers)  
 Potato Association of America (18 + 22 papers)

*Affiliated with Section on Education*

American Federation of Teachers

*Science in General*

Society of the Sigma Xi  
 United Chapters of Phi Beta Kappa  
 American Nature Study Society (22 papers)  
 American Science Teachers Association (8 papers)  
 Honor Society of Phi Kappa Phi (1 paper)  
 Gamma Alpha Graduate Scientific Fraternity  
 Sigma Delta Epsilon Graduate Women's Fraternity (1 paper)  
 Pi Gamma Mu, National Social Science Honor Society (2 papers)  
 American Association of Scientific Workers (3 papers)  
 The Catholic Round Table of Science

## GENERAL SESSIONS

Wesley C. Mitchell, Columbia University. "The Public Relations of Science." (Address of retiring president of the Association.) Science 90: 599-607. 1939.

Isaiah Bowman, president of the Johns Hopkins University. "Who Is Responsible for Peace?" (Address under auspices of Honor Society of Phi Kappa Phi.)

Kirtley F. Mather, Harvard University. "The Future of Man as an Inhabitant of the Earth." (Eighteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 28, No. 1, 1940; *The Scientific Monthly* 50: 193-203. 1940.

Julian Huxley, London, England. "Science, War and Reconstruction." (Second British and American Association exchange lecture.) *Science* 91: 151-158. 1940.

Marjorie Hope Nicolson, Smith College. "Science and Literature." (Fifth annual Phi Beta Kappa lecture.)

#### ADDRESSES OF VICE PRESIDENTS

*Section on Mathematics.* J. R. Kline, University of Pennsylvania. "The Jordan Curve Theorem."

*Section on Physics.* Herbert E. Ives, Bell Telephone Laboratories. "The Measurement of Velocity with Atomic Clocks." *Science* 91: 79-84. 1940.

*Section on Chemistry.* Harold C. Urey, Columbia University. "The Dependence of Physical and Chemical Properties on Mass, and the Separation of Isotopes."

*Section on Astronomy.* R. Meldrum Stewart, Dominion Observatory, Ottawa, Canada. "Some Remarks on Gravity Clock Escapements."

*Section on Geology and Geography.* Walter H. Bucher, University of Cincinnati. "Problems of the Atlantic Ocean."

*Section on Zoological Sciences.* Wesley R. Coe, Yale University. "Divergent Pathways in Sexual Development." *Science* 91: 175-182. 1940.

*Section on Botanical Sciences.* Raymond J. Pool, University of Nebraska. "White Man Versus the Prairie." *Science* 91: 53-58. 1940.

*Section on Anthropology.* Diamond Jenness, National Museum of Canada, Ottawa, Canada. "Canada's Indian Problems."

*Section on Psychology.* J. F. Dashiell, University of North Carolina. "A Neglected Fourth Dimension to Psychological Research."

*Section on Historical and Philological Sciences.* Nelson Glenn McCrea, Columbia University. "Literature as an Ally of the Social Sciences."

*Section on Engineering.* A. A. Potter, Purdue University. "Research and Invention in Engineering Colleges." *Science* 91: 1-7. 1940.

*Section on Medical Sciences.* C. J. Wiggers, Western Reserve University School of Medicine. "Pathways of Medical Progress." *Science* 91: 25-31. 1940. Publication No. 13 (Blood, Heart and Circulation) of the Association, pp. 1-9. 1940.

*Section on Agriculture.* Robert M. Salter, Ohio Agricultural Experiment Station, Wooster, Ohio. "Some Soil Factors Affecting Tree Growth." *Science* 91: 391-398. 1940.

*Section on Education.* George D. Stoddard, University of Iowa. "Reflections upon the I. Q."

## SYMPOSIA

"Relational Thinking in Secondary Mathematics" (12 papers). National Council of Teachers of Mathematics.

"Isotopes" (13 papers). Section on Chemistry.

"Photosynthesis" (14 papers at regular sessions and a round-table discussion after dinner). Section on Chemistry.

"Glacial and Geomorphic Development of the Ohio Basin" (12 papers). Section on Geology and Geography, Geological Society of America and Ohio Academy of Science (Section on Geology).

"Industrial Minerals" (9 papers). Section on Geology and Geography and Geological Society of America.

"Paleozoic Stratigraphy of the Ohio Basin" (13 papers). Section on Geology and Geography, Geological Society of America and Ohio Academy of Science (Section on Geology).

"Meteorite Falls and Meteorite Accretion" (5 papers). Section on Geology and Society for Research on Meteorites.

"Applications of Mathematics to the Earth Sciences" (5 papers). Section on Geology and Geography, Section on Mathematics, American Mathematical Society, Mathematical Association of America and Geological Society of America.

"Hydrologic Problems in the Ohio and Michigan Basins" (6 papers). Section on Geology and Geography, Geological Society of America (Section on Hydrology), American Geophysical Union and Ohio Academy of Sciences (Section on Geology).

"Speciation" (5 papers). American Society of Zoologists and Genetics Society of America.

"Experimental Study of Cellular Organization" (5 papers). American Society of Zoologists.

"Fifty Years of Entomological Progress" (5 papers). American Association of Economic Entomologists and Entomological Society of America.

"Viruses and Plant Quarantines" (4 papers). American Association of Economic Entomologists and American Phytopathological Society.

"Training for the Various Fields of Entomology" (5 papers). American Association of Economic Entomologists.

"Physiological Processes of Plants in Relation to Temperature" (5 papers). Botanical Society of America (Physiological Section), American Society for Horticultural Science and American Society of Plant Physiologists.

"Defense Mechanisms in Plants and Animals" (3 papers). Botanical Society of America, American Society of Naturalists, American Society of Zoologists, Genetics Society of America and Section on Medical Sciences.

"The Teaching of Plant Physiology" (3 papers). American Society for Plant Physiology.

"Relation of Ecology to Human Welfare—The Human Situation" (5 papers). Ecological Society of America.

"The Internal Environment and Behavior." Section on Psychology.

"Effects of Science upon Human Beings" (4 papers). Fourth Science and Society Conferences of Section on Social and Economic Sciences.

"Blood, Heart and Circulation" (39 papers). Section on Medical Sciences. Publication No. 13 of the Association. 1940.

"Definite Oral Manifestations of Systemic Disease" (9 papers). Sub-section on Dentistry.

#### PRELIMINARY ANNOUNCEMENTS AND REPORTS

Preliminary Announcement of the Columbus Meeting. F. R. Moulton. *Science* 90: 499-507. 1939.

"Scientists Assemble at Richmond." F. R. Moulton. *The Scientific Monthly* 49: 573-576. 1939.

Permanent Secretary's general report, including reports of secretaries of sections and participating societies. F. R. Moulton. *Science* 91: 101-124. 1940.

"American Association in Action." F. R. Moulton. *The Scientific Monthly* 50: 85-91. 1940.

#### MISCELLANEOUS ARTICLES, NOTES AND REPORTS

"Constitutional Barriers to Involvement of the Nervous System by Certain Viruses." Albert B. Sabin. (Address upon receipt of the Theobald Smith Award of the Association.) *Science* 91: 84-87. 1940.

"The Nation and Petroleum Geology Today." Hugh D. Miser. *Science* 91: 251-255. 1940.

Report of Committee on Grants for 1940. *Science* 91: 124. 1940.

Financial Reports of Treasurer and Permanent Secretary for the fiscal year ended September 30, 1939. F. R. Moulton. *Science* 91: 195-196. 1940.

Membership of the Association. F. R. Moulton. *Science* 91: 219-220. 1940.

Newly Elected President of the American Association (Albert F. Blakeslee). Burton E. Livingston. *The Scientific Monthly* L: 182-185. 1940.

Award of the American Association Prize. (I. I. Rabi, recipient.) Karl K. Darrow. *The Scientific Monthly* L: 185-187. 1940.

The Scientific Exhibition in Columbus. Owen Cattell. *The Scientific Monthly* L: 189-191. 1940.

The Washington Dinner in Honor of Julian S. Huxley. (Dinner spon-

sored by the Association, the Smithsonian Institution and The Scientific Monthly.) The Scientific Monthly 50: 191-192. 1940.

"Symposium on Blood, Heart and Circulation." Malcolm H. Soule. The Scientific Monthly 50: 187-189. 1940.

## THE STANFORD UNIVERSITY MEETING, JUNE 26 - JULY 1, 1939

*(The 23d annual meeting of the Pacific Division)*

### PARTICIPATING SOCIETIES

American Association of Physics Teachers (4 invited papers)

American Meteorological Society (30 papers)

American Physical Society (13 papers)

American Chemical Society, Pacific Intersectional Division (32 papers)

Astronomical Society of the Pacific (25 papers)

Association of Pacific Coast Geographers (15 papers)

American Society of Ichthyologists and Herpetologists, Western Division  
(15 papers)

The Western Society of Naturalists (10 papers)

American Association of Economic Entomologists, Pacific Slope Branch  
(59 papers)

Ecological Society of America, Western Section (12 papers)

Pacific Coast Entomological Society (all joint sessions)

American Phytopathological Society, Pacific Division (28 papers)

American Society of Plant Physiologists, Western Section (28 papers)

Botanical Society of America, Pacific Section (45 papers)

Society for Experimental Biology and Medicine, Pacific Coast Branch  
and Southern California Branch (17 papers)

American Society for Horticultural Science, Western Section  
(24 papers)

Western Society of Soil Science (33 papers)

### GENERAL SESSIONS

S. J. Holmes, University of California, Berkeley. "Darwinian Ethics and Its Practical Applications." (Address of retiring president of the Division.) Science 90: 117-123. 1940.

V. Gordon Childe, University of Edinburgh, Edinburgh, Scotland. "The Neolithic Economy in Northwestern Europe."

J. D. Bernal, University of London, London, England. "The Structure of Protein Molecules."

## SPECIAL REPORTS ON SCIENTIFIC PROGRESS

J. W. McBain, Stanford University. "Recent Advances in Colloid Chemistry."

A. R. Davis, University of California, Berkeley. "Mineral Metabolism in Plants."

Henry Borsook, California Institute of Technology. "Biological Oxidations and Reductions."

J. W. Macfarlane, University of California, Berkeley. "Research on Personality Development."

## SYMPOSIUM ON "RADIATION AND LIFE"

W. V. Houston, California Institute of Technology. "Radiation."

John H. Lawrence, University of California, Berkeley. "Radioactive Elements as Tracers in Metabolic Studies."

M. Delbruck, California Institute of Technology. "Radiation and the Hereditary Mechanism."

Robert R. Newell, Stanford University Hospitals, San Francisco, Calif. "Medical Applications."

## SYMPOSIA

"Some New Ultra-High-Frequency Radio Apparatus (4 papers with demonstrations). American Physical Society.

"Methods and Results of X-ray Structure Determination" (5 papers). American Physical Society.

"Dams and the Problem of Migratory Fishes" (5 papers). American Society of Ichthyologists and Herpetologists, Western Division, and The Western Society of Naturalists.

"Recent Contributions of Botany and Ecology to Society" (4 papers). Ecological Society of America, Western Section, and Botanical Society of America, Pacific Section.

"Availability of Nutrients in Soils to Plants" (6 papers). American Society of Plant Physiologists, Western Section, and Western Society of Soil Science.

"Translocation of Solutes in Plants" (6 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"Growth" (8 papers). American Society of Plant Physiologists, Western Division.

"Native Plants of Western North America Offering Exceptional Material for Botanical Research" (5 papers). Botanical Society of America, Pacific Section.

"The Cell and Protoplasm" (17 papers). This symposium in commemoration of the centenary of the Cell Theory, held at Stanford University, July 1-5, was participated in by J. D. Bernal, of England, Szent-Gyorgyi, of Hungary, and Hugo Theorell, of Sweden. Publication No. 14 of the Association. 1940.

"National Colloid Symposium." The Colloid Symposium Committee of the Division of Colloid Chemistry, American Chemical Society and the Committee on Colloid Science, National Research Council. This symposium, the sixteenth national colloid symposium, was held at Stanford University, July 6-8.

#### PRELIMINARY ANNOUNCEMENT AND REPORT

Preliminary Announcement of the Stanford meeting, J. Murray Luck. Science 89:504. 1939.

Secretary's general report of the Stanford meeting, including reports of the secretaries of the participating societies. J. Murray Luck. Science 90: 123-131. 1939.

#### THE ALPINE, TEXAS, MEETING OF THE SOUTHWESTERN DIVISION, MAY 2-5, 1939

*(The 19th meeting of the Southwestern Division)*

Victor J. Smith, *Chairman of General Committee*

#### PARTICIPATING SOCIETIES

Mathematical Association of America, Southwestern Section  
Society of American Foresters, Southwestern Section  
Texas Archaeological and Paleontological Society  
West Texas Museum Association  
Panhandle Plains Historical Society  
Southwest Texas Archaeological Society  
Clearing House for Southwestern Museums  
Texas Folk Lore Society  
Texas Academy of Science  
West Texas Historical and Scientific Society  
Central Texas Archaeological Society  
Texas Nature Federation  
West Texas Chamber of Commerce Resource and Museum Institute  
Sociedad Chihuahuense de Estudios Historicos

## GENERAL SESSIONS

E. F. Carpenter, University of Arizona. "The Revolt Against Thought." (Address of retiring president of Southwestern Division.)

A. H. Compton, University of Chicago. "Physics Views the Future." (Tenth John Wesley Powell lecture.)

Dedication of the McDonald Observatory, Mt. Locke: "Tender of Completed Observatory," P. E. Bliss, Warner & Swasey Company; "Acceptance of Completed Observatory," Otto Struve, the Yerkes Observatory; "The Cooperative Enterprise," Robert Maynard Hutchins, president of The University of Chicago; "Acceptance for the University of Texas," member of Board of Regents; "Some Features of the New Mirror," J. S. Plaskett, Dominion Astrophysical Observatory, Ottawa, Canada; "The First of the Sciences," Arthur H. Compton, The University of Chicago; and "Dedication of the Observatory," J. W. Calhoun, president of the University of Texas.

## SECTION PROGRAMS

Biological Sciences Section (15 papers). W. H. Bell, chairman.

Mathematics Section (13 papers). R. S. Underwood, chairman. Program of the Section included a symposium on "Topology" (2 papers).

Physical Science Section (23 papers). E. J. Workman, chairman.

Social Science Section (27 papers). Victor J. Smith, chairman. Program of the Section included a symposium on "Methods of Cultural Classification and Description: Conference on Texas Archaeological Methods" (10 papers).

Program in Connection with the Dedication of the McDonald Observatory (27 addresses and papers). The program included a symposium on "Galactic Structure" (2 papers) and a symposium on "Galactic and Extragalactic Structure" (2 papers).

Texas Junior Academy of Sciences presented a program of 9 reports of projects and activities.

## PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Report of the Annual Meeting of the Southwestern Division. Veon C. Kiech. *Science* 89:73. 1939.

Secretary's general report of the Alpine, Texas, meeting of the Southwestern Division. Veon C. Kiech. *Science* 90: 38. 1939.

## SPECIAL RESEARCH CONFERENCES UNDER THE AUSPICES OF THE SECTION ON CHEMISTRY

Each of these special conferences consisted of two sessions each day for a period of five days. Usually only one paper was presented at each session, the remainder of the time being reserved for discussions. The conferences during each five-day period were devoted to an important limited field of chemistry and were participated in only by specialists in the field.

### FIRST RESEARCH CONFERENCES ON CHEMISTRY

*(Gibson Island, Maryland, August 15-26, 1938)*

These two conferences were organized by Neil E. Gordon, Secretary of the Section on Chemistry. The subject of the first one was, "Relation of Structure to Physiological Action," Harold C. Urey, chairman. Five formal papers were presented at this conference. The second one was on "Cellular Metabolism and Tissue Respiration," by Kurt G. Stern, chairman. Nine formal papers were presented at this conference. *Science* 88: 8-9. 1938.

### SECOND RESEARCH CONFERENCES ON CHEMISTRY

*(Gibson Island, Maryland, July 10-28, 1939)*

The subjects of the three conferences held in 1939 were, "Resinous Polymers," "Vitamins" and "Relation of Structure to Physiological Action." The respective chairmen were Howard L. Bender, C. G. King, and Walter H. Hartung. Ten papers were presented at the first conference, eight at the second and eight at the third. *Science* 89: 559-561. 1939.

A third series of five five-day research conferences was held in July-August, 1940.

SUSTAINING MEMBERS

LIFE MEMBERS

EMERITUS LIFE MEMBERS

EMERITUS ANNUAL MEMBERS

FIFTY-YEAR MEMBERS

HONORARY MEMBERS

AND

ANNUAL MEMBERS

COMPLETE LISTS OF THE FIRST SIX CLASSES FROM THE ESTABLISHMENT  
OF THESE CLASSES OF MEMBERS TO JULY 1, 1940



## SUSTAINING MEMBERS

Article 2 of the Constitution of the Association contains the provision: "A person who gives one thousand dollars to the Association may be elected to be a sustaining member and is exempt from further dues."

Article 10 of the Constitution contains the provision: "The payments from sustaining and life members form part of the permanent fund, and the income (after the death of the member) shall be used for research, unless otherwise directed by unanimous vote of the Council or by a majority vote at two consecutive annual meetings."

An asterisk preceding the name of a member indicates that he is deceased.

The symbols following the name give the complete membership record of the member. For example, the symbols following the first name below indicate that Edward Dean Adams became a member (M) in 1890, a fellow (F) in 1913, a sustaining member (S) in 1916 and died (D) in 1931. A dash following the letter D means that the year of the death of the person is not known by the Association.

\*Adams, Edward Dean. M90F13S16D31.

\*Hermann, Mrs. Esther. S70D11.

\*Lilly, William. S79D93.

\*McMillin, Emerson. S88F09D22.

\*Maiben, Hector. S21D31.

\*Thompson, Mrs. Elizabeth. S73D99.

\*Walters, Henry. S29D31.

## LIFE MEMBERS

Article 2 of the Constitution of the Association contains the provision: "A member who pays at one time the sum of one hundred dollars [fifty dollars until Jan. 1, 1920] to the Association becomes a life member and is exempt from further dues."

The provision of Article 10 of the Constitution, quoted under Sustaining Members above, applies also to Life Members.

The names of Life Members who were living on June 1, 1934, are included, with additional information, in the complete directory of members for the period June 1, 1934-July 1, 1940, which begins on page 217. The names of Life Members who were deceased on June 1, 1934, are contained in some earlier volume of the Summarized Proceedings. Therefore the complete membership record of every person who has been a member of the Association since the present system of records was established in 1920 is contained in some volume of the Summarized Proceedings.

The symbols following the name give the complete membership record of the member. For example, the symbols following the second name below indicate that E. Stanley Abbot became a member (M) in 1904, a life member (L) in 1909, and a fellow (F) in 1928. In case a member is deceased the letter D precedes the digits that indicate the year of his death; a dash following the letter D means that the year of the death of the person is not known by the Association.

New York State Library. L10.

Abbot, E. Stanley. M04L09F28.

Achilles, Edith Mulhall. M22L25F28.

Ackerman, Mrs. Ethel Serviss. L25.

Adams, Edwin L. M18L26.

Allen, A. H. M24L25.

Allis, Edward Phelps. M02F05L14.

Allis, William Phelps. M24L31F33.

Alvord, John W. M07F11L31.

\*Argollo, Miguel T. M08L14D16.

Armstrong, Clairette P. L29F33.

Armstrong, Donald. M10L11.

Armstrong, Francis T. L11.

Armstrong, S. Howard. L39.

Armstrong, Samuel T. M06L07F33.

Armstrong, Warren Putnam. L34.

\*Arnett, Eugene. L24D38.

Arnold, John W. M24L29F31.

- Arnold, Weld. L22F31.  
 Arutunoff, Armais. M37L39.  
 Austin, James Harold. M12L13F15  
 \*Avery, Samuel P. L87D04.  
 Bacon, Clara L. M24L33F33  
 Baekeland, L. H. Mo6F08L24.  
 Baggaley, Ralph. L01  
 Bailey, John Wendell. M17F33L38.  
 \*Balch, Edwin Swift. Mo1F03L03D27.  
 \*Baldwin, S. Prentiss. L98F00D38.  
 \*Baldwin, Simeon E. L01F01D27.  
 Ballard, Mrs. Foster K. L38. (Formerly Ruth G. Mason)  
 \*Baltzell, William Hewson. Mo8L09D28  
 \*Baltzell, Mrs. Wm. Hewson. L29D38  
 \*Bangs, Lemuel Bolton. L87D14  
 Banker, Howard J. Mo2F05L23  
 Bannister, Ruth D. M24L29.  
 Barber, M. A. L34F34.  
 Barbour, Thomas. Mo2F07L25  
 \*Barge, B. F. M84L88D02.  
 \*Barker, George F. M50F75L80D10.  
 \*Barnard, Edward E. M77F83L08D23.  
 \*Barnes, Cora F. Mo6L07D11.  
 Barnes, Howard T. Mo6F09L25.  
 Barnhart, John H. Mo0F03L11.  
 \*Barth, Carl G. Mo8L25F28D39.  
 \*Barton, Donald Clinton. M11F21L37D39  
 Bascom, Florence. M92F97L10.  
 Bates, B. L. M. L17.  
 \*Bates, Oric. L16D18.  
 Bausch, Carl L. M31F32L37.  
 Beckwith, Mrs. Daniel. L29.  
 Beckwith, Edward P. M11L13.  
 Beinecke, Frederick W. M28L31.  
 Belknap, Mrs. William. L29.  
 \*Bell, Alexander Graham. M77F79L12D22  
 \*Bell, C. M. L87D—.  
 Bell, Dennistoun M. M22L27.  
 \*Bell, John Everett. Mo3F06L25D31.  
 Belmont, Perry. Mo6L07.  
 \*Benjamin, Marcus. M78F87L91D32.  
 Berry, Samuel Stillman. Mo9F15L18.  
 \*Biddle, Thomas. M13L15D15.  
 Bierbaum, Christopher H. Mo3F25L25.  
 Bird, Charles Sumner, Jr. Mo8L09.  
 \*Bird, John B. L17D25.  
 \*Birnie, Rogers. M10L11F11D39.  
 \*Bishop, Heber R. L87D02.  
 Bitting, Arvill W. M16L17F33.  
 \*Bitting, Katherine Golden. M93F97L17-D36.  
 \*Bixby, Wm. H. L85F92D28.  
 \*Blackmore, Henry Spencer. Mo0L09D21.  
 Blair, Mary C. L22.  
 \*Blanchard, George W. M24L31D—.  
 Blanchard, Roland. M25L31.  
 \*Bl'ish, W. G. L84D—.  
 Bliss, Cornelius N. L29F40.  
 Bliss, Gilbert Ames. Mo5L06F07.  
 Bliss, Robert Woods. L29F40.  
 \*Bliss, Mrs. William H. L07D35.  
 Blossom, Mrs. D. S. L32.  
 \*Blount, Henry F. M83L98D13.  
 Blumenthal, Hugo. L16.  
 Blunt, Katharine. Mo7F10L37.  
 Boettger, Robert. L16.  
 Bogen, Emil. M29L32F33.  
 Bole, Mrs. B. P. M24L30.  
 \*Bolton, H. Carrington. M68F75L79D03.  
 \*Bond, Benjamin D. M17L25D—.  
 Boswell, Foster P. M10L25F28.  
 Bower, E. C. L27F27.  
 Boyd, James E. Mo9F09L37  
 Boyden, James R. L18.  
 \*Brackenridge, George W. L92D20  
 \*Bradley, Arthur C. L94D11.  
 \*Bradley, M. J. L94D11.  
 \*Bradley, Milton. L95D10.  
 \*Bradley, Stephen R. Mo1L02D10.  
 Branch, Hazel Elisabeth. M24L31F33.  
 \*Brashear, John A. M84F85L02D18.  
 Bray, Charles W. M30F33L37.  
 \*Breitenbach, M. J. L17D20.  
 \*Brice, Albert G. M83L07D12  
 \*Bridge, Norman. Mo2F06L23D25.  
 \*Britton, Wiley. Mo1L05D—.  
 Brodie, R. K. M17F33L37.  
 \*Brooks, Peter C. Mo8L09D25.  
 \*Brown, Joseph Stanford. L01F06D23.  
 \*Brown, William Henry. Mo8F15L20D39  
 \*Browning, J. Hull. Mo6L07D14  
 \*Brunton, David William. L01F11D27.  
 \*Brush, George J. M50F74L81D12  
 \*Bryant, Henry Grier. Mo2F05L10D32.  
 Bryant, Owen. Mo4F06L10.  
 \*Buck, Fred. M29L37D—.  
 \*Buckley, Ernest R. Mo2L03D13  
 Buehler, Henry Andrew. L11F13.  
 \*Bullard, William N. M17L18D31.  
 \*Burbank, Luther. Mo1F01L08D26.  
 \*Burgess, Horace T. M11F15L20D39.  
 Burnett, J. Clawson. L29.  
 Burr, Charles W. L22F33.  
 Burr, I. Tucker. Mo8L09  
 Burwash, E. M. L22F25.  
 Busch, Henry Paul. L21.  
 Caldwell, Otis W. Mo0F02L23.  
 Callender, Walter R. L28.  
 \*Campbell, William W. Mo1F01L03D38.  
 Cantley, Thomas. Mo8L23.  
 Caplan, Herman. M22L24.  
 Capp, Seth Bunker. M14L15  
 Carpenter, Arthur. M28L31F33.  
 Carpenter, Leonard. Mo6L31.  
 \*Carter, James C. L87D08.  
 Case, Theodore W. L17F25.  
 Cattell, J. McKeen. M95F96L98  
 Cattell, Mrs. J. McKeen. M22L30.  
 \*Cattell, Owen. L16D40.  
 Chamberlin, Rollin T. Mo0F09L20.  
 Chapman, Conrad. M22L23.  
 \*Chisholm, George E. Mo1L18D38.  
 Churchill, Anna Quincy. M23L24F33.  
 \*Cilley, Frank H. Mo0F01L01D05.  
 Clapp, Grace L. M18F21L37.  
 \*Clarke, Hopewell. M10L11D—.  
 Cleveland, Newcomb. L23.  
 Clyde, William Hill. L31.  
 \*Coe, Henry Waldo. M83L85D27.  
 \*Colburn, Richard T. M82L87F04D13.  
 Cole, Howard Irving. M29L31F33.  
 \*Colman, L. C. L22D25.  
 Colton, Harold Sellers. Mo4L09F13.  
 \*Comstock, Theo. B. M75F87L00D15.  
 \*Converse, John H. Mo4F06L06D10.  
 Cook, Howard H. M10L11.  
 Cook, Jonathan. L37.  
 Cooke, C. Montague, Jr. Mo7L23F33.  
 \*Coolidge, Mrs. J. Randolph. Mo8L09D21.  
 Cornelius, David W. M24L25F25  
 \*Corning, E. L. L18D24.

- Corning, H. K. L27.  
 Cortes, Jose Maria. L35.  
 \*Costantini, Count D. A. M29L30D—.  
 \*Coster, Edward L. M11L13D34.  
 Council, Francis E. M22L23.  
 \*Coxe, Eckley B., Jr. M02L09D—.  
 Crain, Jason. M23L24.  
 \*Cram, Roys Jones. L02F06D28.  
 Crampton, G. C. M10F11L26.  
 Crane, Alfred J. M17L27.  
 \*Crocker, Sarah H. M08L10D17.  
 Crocker, Mrs. Wm. H. L29.  
 \*Crowell, A. F. L82D20.  
 Crunden, Allan B., Jr. M35L40.  
 \*Cullinan, J. S. L22D38.  
 \*Currie, Charles. L06D10.  
 Currie, Thomas R. M08L31.  
 Dalal, Rustom D. L32F38.  
 d'Autremont, Louis Paul. L27.  
 \*Davis, Andrew McFarland. M86L98F06-D21.  
 Davis, Bradley Moore. M96F97L25.  
 Davis, Charles Henry. M07F15L24.  
 Davis, Helen I. M23F33L37.  
 Davis, William T. M06L07F11.  
 Davy, J. Burtt. M02F03L03.  
 Dawson, Bernhard H. M21F22L24.  
 Day, Katharine Seymour. M25L26.  
 Day, William Scofield. L00F01.  
 \*Deagan, John C. M22L26D37.  
 \*Deering, Charles. L17D27.  
 de Forest, Alfred Victor. L17F31.  
 \*Deghuee, Joseph A. M91F00L31D31.  
 \*Delafield, Maturin L. M94F13L15D29.  
 de Landero, Carlos F. M87L91.  
 \*DeLoubat, LeDuc. M97F97L98D27.  
 DeSilver, Mrs. Margaret. L29.  
 Desloge, Joseph. M24L31.  
 \*Dey, Anthony. M06L07D12.  
 Deyoc, H. L. M32L37.  
 Dickerman, William C. L17F32.  
 Dickinson, C. G. M29L31.  
 Dobbins, Frank. M12L13.  
 Dodd, Gertrude. L29.  
 \*Dodge, Cleveland H. L17D26.  
 Drake, Noah Fields. M06L07F09.  
 \*Draper, Daniel. M80F81L87D31.  
 \*Droppers, Garrett. M01F01L08D27.  
 \*Du Bois, Aug. J. L81F82D15.  
 \*Dudley, Wm. L. M79F81L88D14.  
 Dufrenoy, Jean. M28F31L36.  
 Duncan, John Charles. M01F11L31.  
 Duncanson, Henry B. M01L08.  
 \*Dunham, Carroll. M06L07D22.  
 Dunn, Gano. M01F16L19.  
 Dunn, Henry E. M18L31.  
 Dunscombe, George E. M06L07.  
 Durand, William F. M88F90L31.  
 \*Dutton, Charles E. L15D26.  
 \*Eddy, N. A. L17D18.  
 Edison, Theodore M. M24L31F32.  
 \*Edwards, J. Warner. M07L10D21.  
 Elder, Clayburn C. M28L37.  
 Elliott, A. W. L38.  
 Elliott, William Swan. L33.  
 Ellis, Ralph. L28.  
 \*Ellsworth, James William. L17D25.  
 Embury, Emma C. L29.  
 \*Emerson, Charles F. M73F74L98D23.  
 Emerson, Mrs. Raymond. M12L13.  
 Emmons, Mrs. Arthur B. L29.  
 \*Emmons, S. F. M74F79L87D11.  
 \*Eno, A. F. L10D—.  
 Eshner, Augustus A. M05F09L28.  
 \*Estes, Dana. M80L84D09.  
 Ettinger, Amos A. L37.  
 Evans, Alice C. M24L31F31.  
 Evans, Florence L. M37F38L38.  
 \*Fabbri, Alessandro. L17D22.  
 Farwell, Francis C. L21.  
 Field, Wm. B. Osgood. M06L07.  
 \*Fielde, Adele M. M06L09D16.  
 Fish, Stuyvesant. L17.  
 Fiske, Thomas Scott. M01F01L06.  
 FitzPatrick, Florence K. L38.  
 \*Fletcher, Andrew. L01D08.  
 Floyd, Willis W. L35F35.  
 Follin, Maynard D. L22.  
 Forbes, Alexander. M08L09F21.  
 Forbes, Henry S. M23F25L31.  
 Forbes, William T. M. M09L11F14.  
 Fortmann, Henry Frederick. M04L06.  
 Foxworthy, Fred W. M02F11L23.  
 Frazer, John. M07F09L09.  
 \*Frazer, Persifor. M75F79L84D09.  
 Freedman, William H. M01F01L26.  
 \*French, Caroline L. W. M08L09D—.  
 Freudenthal, Louis Edwin. M17L26.  
 \*Frick, Henry Clay. L17D19.  
 Friedman, Maurice H. L35F35.  
 \*Frothingham, Mrs. Frederick. M80L82-D13.  
 Fuhr, Clara. M24L30.  
 \*Fuller, Frank. M06L07D20.  
 Fuller, Myron L. L01F05.  
 Fuller, Richard E. M29F31L31.  
 Fulton, John F. M27L31F31.  
 Gafafer, Wm. M24F33L36.  
 \*Gaff, Thomas T. M02L19D23.  
 Gaines, Walter Lee. M13L14F31.  
 \*Gallatin, Albert R. L17F38D39.  
 Gamble, Clarence James. L28.  
 \*Garrett, Mrs. T. H. M08L09D20.  
 \*Gates, M. F. L23D25.  
 Gates, Reginald Ruggles. M07F09L19.  
 \*Genth, Fred A. M83L85F00D10.  
 Gerdau, Mrs. Otto. L29.  
 \*Gilbert, G. K. M69F74L00D18.  
 \*Glenny, William H. M76L83D29.  
 Goddard, Verz R. M28L31F33.  
 Goebel, Gordon W. L17.  
 Goldman, Marcus I. M07F15L28.  
 Goldsborough, John Byron. M06L07.  
 \*Goldschmidt, S. A. M75F80L15D33.  
 Goldsmith, Alfred N. M22F25L30.  
 Goldsmith, Edward. M80F92L12.  
 \*Goodwin, Harold. M13L31D35.  
 \*Gorman, M. W. L21D26.  
 \*Gotshall, William C. M28L31F31D35.  
 \*Gouldy, Jennie A. M01L31D—.  
 \*Greene, Wm. H. M04L06D18.  
 Greenway, James C. M03L27.  
 \*Gregg, Donald. M23F25L31D39.  
 \*Gregory, Henry E. L29D—.  
 Gregory, Herbert E. M01F02L12.  
 \*Gribbel, Mrs. John. M04L18D34.  
 \*Guggenheim, Daniel. L29D30.  
 Guggenheim, William. M06L07.  
 Gunder, Jeanne D. M28L31.  
 \*Guthrie, William Alvis. L24D34.  
 Haack, Karl F. O. L29.  
 Hague, Eleanor. M18L37.

- \*Hague, William. Mo6Lo7D18.  
 \*Haldeman, Cyrus B. M17L20D37.  
 \*Hale, George Ellery. M88F91L17D38.  
 \*Hall, Harvey Monroe. M12F15L24D32.  
 \*Hammerschlag, Arthur A. Mo6Lo7F12D27.  
 \*Hammer, Alfred E. M17L20D35.  
 \*Hammond, Mrs. John Hays. Mo1Lo5D31.  
 \*Hanaman, C. E. M70F83L83D—.  
 \*Harkness, Wm. M77F78L78D03.  
 \*Harper, D. Roberts, 3d. M18L20F21D35.  
 \*Harris, J. Campbell. L01D—.  
 Harris, James Edward. L23.  
 Haskins, C. P. M33L37F39.  
 \*Hastings, Charles S. M76F78L87D32.  
 Hazeltine, L. Alan. M22L25F33.  
 \*Hazen, George H. L17D34.  
 Hebard, Morgan. M11L13F32.  
 Hektoen, Ludvig. Mo2F06L24.  
 Henderson, Judson Pulford. M18L20F31.  
 Henstock, Herbert. M23L29F30.  
 Herbert, Albert. L18.  
 Herbert, Jennie. M16L18.  
 \*Herrick, Henry A. L17D17.  
 Herrick, Joseph C. L30F33.  
 \*Hexamer, C. J. M82L84D21.  
 Heye, George G. L17F31.  
 Hicks, Lawrence E. M31L37.  
 Higginson, Mrs. James J. L29.  
 Hille, Hermann. L11F33.  
 Hills, Thomas McD. Mo9L10F16.  
 \*Hitchcock, Charles H. M57F74L87D19.  
 Hitchcock, Fanny R. M. M86F06L16.  
 Hodge, Edwin T. M25F25L26.  
 Hoe, Mrs. R., Jr. L87.  
 Hoffman, Samuel V. Mo2F06L11.  
 Hoffmann, Bernhard. M18L27.  
 \*Hoffmann, Friedrich. M78F81L99D04.  
 Holden, Mrs. L. E. L86.  
 Holmes, Harriet F. M10L25F25.  
 Hooker, Davenport. M25F11L37.  
 Hooton, E. A. M21F21L31.  
 Hopkins, Louis J. M07F13L18.  
 Horn, Clarence A. M27F33L36.  
 Houghton, Clement S. Mo8L31.  
 Houghton, John D. L39.  
 \*Hovey, Edmund Otis. M87F95L20D24.  
 Howard, L. O. M88F89L07.  
 \*Howe, Elmer Parker. Mo8Lo9D18.  
 Howells, John N. M. M29L31.  
 Hoyt, Olive Sawyer. Mo2L23.  
 Hrdlicka, Ales. M97F97L16.  
 Hubbard, Bela. M23L24F31.  
 Hudson, Alfred. L35.  
 Hughes, Rupert. M30L32.  
 Hunt, Samuel P. M25L30.  
 Hunter, Roland Jackson. L27.  
 Huntington, Archer M. Mo6Lo7.  
 Hurwitz, W. A. M11F13L26.  
 Hutchinson, Frank J. L29.  
 Hutchison, Charles F. L39.  
 Iddings, Arthur. M19L23F31.  
 Iles, George. M82L93F98.  
 Jackson, Mary L. M19L25.  
 Jacobs, Merkel H. M10F13L25.  
 \*Jenkins, George C. Mo8Lo9D—.  
 Jillson, Willard Rouse. M18F21L25.  
 Johnson, H. Herbert. L29F30.  
 Johnson, Josef J. M23L25F38.  
 Johnson, Myrtle E. M11F21L25.  
 Johnston, E. M. L20.  
 Johnston, Frederick Atkins. Mo8L18.  
 \*Johnston, J. Herbert. L18D31.  
 Jones, L. Goodrich. M29F31L33.  
 Jones, Walter C. Mo8F26L27.  
 Judd, George E. L35.  
 Judd, Horace. Mo6F25L37.  
 Karapetoff, Vladimir. Mo8F11L26.  
 Karpman, Benjamin. M30L31.  
 Kaufmann, Herbert M. M18L31F33.  
 Kendeigh, S. Charles. M28L29F33.  
 Kennan, Mrs. George. L29.  
 Kennedy, Harris. M91L92.  
 \*Kennelly, Arthur E. Mo1F01L23D39.  
 Ketcham, Henry H. M17L30F32.  
 Keyes, Edward L. M24L33F33.  
 \*Kidder, Nathaniel T. Mo8Lo9D38.  
 \*Kinney, Francis S. L07D08.  
 \*Kinsey, Oliver P. M07Lo8D31.  
 Kirkham, Stanton Davis. Mo9L10.  
 Kissam, William Adams. L17.  
 \*Kohlsaat, John E. C. Mo7L31D34.  
 Kovarik, Alois F. M07F11L18.  
 \*Kraemer, Henry. M98F01Lo2D24.  
 Kress, Samuel H. L17.  
 Krumbhaar, Edward Bell. M12L19F21.  
 Kuschke, Carl G. P. M34F34L35.  
 Kwang, Kwong Yung. M12L13.  
 Lackenbach, Fred I. L25.  
 Ladd, William Sargent. L17F33.  
 Laine, Carl David. L29.  
 Lamson, Genieve. M24F31L37.  
 Lane, Alfred Church. Mo1F02Lo2.  
 \*Lang, James Sherburne. M12L13D29.  
 Lang, W. B. M21L28F31.  
 \*Langdon, Palmer H. M19L26D—.  
 Langner, Helen P. M33L34F38.  
 \*Larkin, Edgar L. Lo2F03D24.  
 \*Lawrence, G. Alfred. Mo6L21D28.  
 Leach, Henry Goddard. L33.  
 LeClercq, Robert R. M25L31.  
 \*Lehman, Meyer H. Mo6Lo7D—.  
 Lemon, Courtenay. M20L21.  
 \*Leverett, George Vasmer. Mo8Lo9D17.  
 Levy, Howard S. M20L25.  
 Lewis, C. McKenzie, Jr. L37.  
 Lewis, Charles H. L28.  
 Lewis, Clarence. L98.  
 \*Lewis, John Frederick. M13L14D32.  
 Lewis, Joseph. M31L33.  
 Lichtenstein, Alfred F. L16.  
 \*Linhart, Samuel Black. Mo6Lo9D36.  
 Litten, Arthur S. M33L37.  
 Livingston, Burton E. Mo3F06L20.  
 \*Loeb, Morris. M87F89L11D12.  
 \*Logan, Walter S. M87L00D06.  
 Logan, William N. M13L14F16.  
 \*Lomb, Adolph. M92L23F31D32.  
 \*Loomis, Henry B. L22D39.  
 Louderback, Geo. D. Mo1F06Lo8.  
 Lovejoy, Frank Woods. L15.  
 Loveland, Horace Hall. Lo2.  
 \*Low, A. A. L94D12.  
 Lowie, Robert H. Mo8F10L33.  
 Lundberg, A. J. M26L37.  
 Lundberg, George A. M32F33L37.  
 \*Lyman, Benj. S. M66L74F05D20.  
 Lyman, Theodore. Mo5Lo6F07.  
 \*Macbride, Thomas H. M89F90L28D34.  
 \*McCormick, Cyrus H. L22D36.  
 \*McCormick, Samuel Black. Mo4Lo6D28.  
 McCracken, Elizabeth. M35L40.  
 McCrea, Nelson G. M13L24F31.

- MacDonald, W. E. M24L26.  
 McDowell, Louise S. M11F15L20.  
 MacIlvaine, Francis S. L18.  
 Mackay, A. D. L18.  
 McKee, Mrs. Arabelle Ogden. M27L31.  
 McKenney, Randolph E. B. M2F03L09.  
 \*Mackenzie, Kenneth K. M06F11L23D34.  
 \*McMillan, Smith B. M88L99D11.  
 Mac Neal, Ward J. M08F13L20.  
 Mallinckrodt, Edward, Jr. M03L04F09.  
 \*Mann, B. Pickman. M73F74L82D26.  
 Manry, James C. M19L22F24.  
 \*Marble, Manton. L87D17.  
 \*Markoe, Francis H. M06L07D08.  
 \*Marling, Alfred E. M06L07D—.  
 Marmor, J. D. M02L04.  
 \*Marsh, Millard C. M04F15L31D36.  
 \*Marshall, Louis. M06L07D—.  
 \*Marshall, Robert. M27L31F33D39.  
 \*Marshall, Waldo H. L17D23.  
 Marston, George W. M18L31.  
 Martin, Earl A. M17L25F33.  
 Martin, Mrs. Walton. L17.  
 Mason, Ruth G. L38. (See Mrs. Foster K. Ballard)  
 Matthews, Albert. M02F13L25.  
 \*Mears, J. Ewing. L06F11D25.  
 \*Mecham, John B. M10L11D30.  
 Medlar, E. M. M35F35L37.  
 Melcher, Arthur Clarke. M07F11L11.  
 \*Merrill, Fred J. H. M86F87L98D16.  
 Merrill, Mrs. Winifred Edgerton. M86-L98.  
 Merritt, Arthur H. M32F39L40.  
 Merritt, George E. L27F31.  
 Mershon, Ralph D. M01F06L31.  
 \*Mertzano, A. L29D—.  
 \*Metcalf, Frank Hamilton. L16D—.  
 \*Metcalf, Orlando. M86L87D09.  
 Meyer, Charles F. M17L31F31.  
 Meyerding, Henry W. L19F33.  
 \*Miller, Edgar G. M80L88D10.  
 \*Miller, Emerson R. M02L11D29.  
 Miller, George J. M11F16L28.  
 \*Miller, George Norton. M04L13D35.  
 Miller, W. Lash. M08F10L24.  
 \*Milne, David. M02L05D29.  
 Miloslavich, Edward L. L25F31.  
 \*Minns, Susan. M83L14F32D38.  
 \*Minot, Charles S. M79F80L01D14.  
 Mitchell, Allan C. G. L25F31.  
 \*Mitchell, Arthur M. M06L08D29.  
 \*Mitchell, John, Jr. M13L14D—.  
 Mitchell, Samuel Alfred. M02F06L23.  
 \*Mitchell, Walter S. M24L25D30.  
 Mixter, George. M08L12.  
 Moffatt, William Sayer. M07L08.  
 \*Molera, E. J. L01F15D32.  
 Monroe, William S. M17F33L37.  
 Moore, Mrs. A. O. L15.  
 Moore, Elinor. M31F38L40.  
 Moore, Elwood S. M08F11L25.  
 Moore, J. Percy. M04F06L20.  
 Moore, Stanley B. L17.  
 Morgan, Caroline L. L29.  
 Morgenstern, Edward M. M36L37.  
 \*Moriandi, Carlo. L29D31.  
 \*Morris, Effingham B. L22D37.  
 Morris, Frederick K. L26F27.  
 \*Morris, Newbold. M00L10D28.  
 Morss, Noel. M29F32L33.  
 Muncy, Victor Emanuel. M17F24L24.  
 \*Munn, John Pixley. M06L07D31.  
 \*Munroe, Charles Edward. M73F74L99-D38.  
 Murnaghan, Francis D. M24F25L26.  
 Myers, William Shields. M94F98L17.  
 Nelson, Nels C. L16F25.  
 Newcomb, William W. M07L13.  
 \*Newerf, N. C. L17D—.  
 Newkirk, Mrs. Alice M. Field. M18L24.  
 Newman, Clarence W. L24.  
 Newton, Mrs. Douglass E. M29L30.  
 Nichols, John Treadwell. M10L11F15.  
 \*Nickerson, William E. M25L26D30.  
 Nollen, Henry S. M29L31F32.  
 Norton, Thomas Herbert. M86F87L87.  
 \*Noyes, Winthrop Gilman. M26L31D31.  
 Obenchain, Jeannette B. M21L26F33.  
 \*O'Gara, P. J. M09F13L17D27.  
 Olivenbaum, J. E. M29L30.  
 Olyphant, Robert M. M06L07.  
 Osborn, Chase S. M08L09F32.  
 \*Osborn, Henry Fairfield. M81F83L17D35.  
 \*Osterhout, George E. M08F11L30D37.  
 Owen, Juliette A. M01F06L06.  
 \*Owen, Luella Agnes. M98F11L11D32.  
 \*Owen, Mary Alicia. M01L11D35.  
 \*Page, Clarence V. L02D—.  
 Page, Dudley L. M84L95.  
 \*Page, Mrs. Nellie K. M84L95D33.  
 Palache, Charles. M95F96L10.  
 Palmer, Mrs. Elizabeth P. M14L15.  
 Palmer, Frederic, Jr. M13F16L37.  
 Palmer, L. J. L25F31.  
 \*Palmer, T. Chalkley. L17F33D34.  
 Panganiban, Elias H. M25L33F33.  
 \*Parish, Henry. M00L01D—.  
 \*Parker, Gordon. M14L18F31D37.  
 Parker, Herschel C. M94F00L09.  
 \*Parkhurst, Henry M. M73F74L85D08.  
 \*Parsons, Francis H. M02L11F11D25.  
 \*Parsons, John E. L87D14.  
 Patten, John. M94L02.  
 Paxson, Owen Shoemaker. M17L25.  
 Pemberton, Cyril Eugene. M22F26L31.  
 Penfield, Mrs. Paul L. L22.  
 Penniman, Josiah H. M13L14F31.  
 \*Penrose, R. A. F., Jr. M89F90L94D31.  
 Pentecost, E. H. M08L10.  
 \*Pentecost, Mrs. E. H. M08L10D22.  
 \*Perkins, Arthur. L82D—.  
 Perkins, William H. M06L07.  
 Perrine, Charles Dillon. L02F03.  
 Pfeiffer, Curt G. L29.  
 Phelps, John J. L29.  
 \*Phillips, Francis Clifford. M87F89L03-D20.  
 \*Phillips, John C. M02L09F13D38.  
 Phipps, Lawrence Cowle. L02F32.  
 \*Pierce, Newton Barris. L00F01D16.  
 \*Pierrepoint, Henry E. L94D11.  
 Pitman, Earle C. M17L28F38.  
 Pomeroy, Katherine. L29R40.  
 Pope, George A. M13L14.  
 Pope, Willard. L30F32.  
 Porter, Mrs. Albert Brown. M12L32.  
 \*Porter, James F. M07F14L23D39.  
 Potter, Alden A. L11F15.  
 \*Potter, Blanch. M06L07D—.  
 Potts, Charles E. L17.  
 Preisler, Paul W. M35F35L37.

- Pruitt, Clarence M. M29L30F31.  
 \*Pruyn, John V. L. M80L87D04.  
 \*Pupin, Michael I. M95F96L05D35.  
 Putnam, Helen C. M08L17.  
 Putnam, William Lowell. M08L09.  
 \*Quinan, William Russell. L06D10.  
 Rabinowitz, L. M. L29.  
 \*Raht, Charles. M06L07D18.  
 \*Ray, Benjamin H. M11L13D25.  
 Read, Bernard E. L35F35.  
 Rehn, Henry J. L37.  
 Rejall, Alfred E. M11L27F33.  
 Renouard, Charles Auguste. L32.  
 \*Rhodes, James Ford. L01F04D26.  
 Rice, A. Hamilton. L29F31.  
 \*Rice, Edwin Wilbur, Jr. M01F16L16D35.  
 Rich, Gilbert J. M19F28L30.  
 \*Richards, Edgar. M82F86L99D24.  
 Rightor, Fred Elmer. M08L31.  
 Riley, Wm. G. M29L37.  
 Roads, Katie M. M17L23.  
 \*Robert, Samuel. M06L07D35.  
 Roberts, Dorothea K. M19F25L26.  
 Roberts, Helen H. M25F31L35.  
 \*Robertson, Thomas D. M56L74D02.  
 \*Robinson, Lucien M. M14L15F32D—  
 Robison, Sanford H. M30L33.  
 Rockie, W. A. M36F36L37.  
 Roebing, John A. L17.  
 Roesser, Frederick. M17L37.  
 Rohlfes, Walter V. L25.  
 \*Roosevelt, Marion T. M82L84D—.  
 \*Rosengarten, George D. M07F11L17D36.  
 \*Rosenwald, Julius. L21D32.  
 Rowell, Dorothy C. L29.  
 Roy, Arthur J. M01F08L09.  
 Ruediger, E. Henry. L18F33.  
 \*Ryerson, Martin A. M07L08D32.  
 Sanders, Joseph. M27L31.  
 \*Sargent, Mrs. Helen W. L23D25.  
 Sargent, Homer Earle. M07F13L20.  
 Saunders, T. Skewes. L16.  
 Sawyer, C. B. L29F33.  
 \*Sayer, William S. M07L09D09.  
 \*Schaeberle, John Martin. M85F86L90D21.  
 \*Schaffer, Charles. M80L82D03.  
 \*Scharnberg, Herman J. B. L27.  
 \*Schermerhorn, F. Aug. L87D19.  
 \*Schermerhorn, Wm. C. L87D—.  
 \*Schott, Charles M., Jr. L17D19.  
 Schubring, Selma L. M10L11.  
 \*Schulte, H. von W. M08F11L28D32.  
 Schwarz, Herman. M17L37.  
 Scott, A. H. M20L21F22.  
 \*Scovell, M. A. M86L02D12.  
 \*Scudder, Samuel H. M59F74L80D11.  
 Seneker, Seehorn. L28.  
 Sevin, Gertrude K. M11L23.  
 Sharp, Charles Cutler. M01L18.  
 Sharp, George C. M29L32.  
 \*Shattuck, Frederick C. L01F01D29.  
 Shaw, Henry S. M25L31F32.  
 Shaw, Robert S. M29L35.  
 Sheaffer, Arthur Whitcomb. L79.  
 Sheldon, Mrs. Frank M. L30.  
 \*Sheldon, Mrs. J. M. Arms. M95F33L34-D38.  
 Shepard, Finley J. L29.  
 \*Shepherd, Elizabeth. M90L00D20.  
 Shrigley, Edward White. M31L33.  
 \*Shryock, Wm. K. M04L06D10.  
 Shull, Charles Albert. M07F15L24.  
 Silsbee, Francis B. M17F21L37.  
 Simes, Mrs. William. M08L31.  
 Singewald, Quentin D. M27L31F31.  
 Slemmons, J. Morris. M08F14L31.  
 Slocum, H. Jermain, Jr. L29.  
 Smith, A. D. Buchanan. M28L29F31.  
 Smith, Burnett. M04F11L18.  
 Smith, Clara E. M08F11L14.  
 \*Smith, Elizabeth H. L29F31D33.  
 Smith, Harrison Willard. L25F25.  
 \*Smith, Jane M. L01D11.  
 Smith, L. W. M27F31L36.  
 \*Smith, Matilda H. L01D09.  
 \*Smith, Quintus Cincinnatus. M77L79-F81D11.  
 \*Smith, Uselma C. M84L86D02.  
 Smith, W. S. Tangier. M01F06L11.  
 \*Smith, Wm. A. M06L07D11.  
 \*Spencer, John George. M88L90F95D32.  
 Speranza, Mrs. Gino. L29.  
 \*Spragg, Frank A. M13F18L24D24.  
 \*Sprague, C. H. M80L82D09.  
 \*Springer, Frank. M06L07F14D27.  
 \*Stanfield, Theodore. L16D38.  
 \*Stanton, Frank McMillan. M01L02D16.  
 Stauffer, Clinton R. M06F11L20.  
 Stearn, Noel Hudson. M24L29F31.  
 \*Steers, James R. M06L07D—.  
 Stefanonson, Vilhialmur. M19L21F25.  
 Stenstrom, K. Wilhelm. M24F27L37.  
 \*Stephens, W. Hudson. M69F74L75D17.  
 \*Stetson, Francis L. M06L17D20.  
 Stevens, Neil Everett. M11F13L19.  
 \*Sticht, Robert C. M08L10D22.  
 Stifter, William W. M11F15L27.  
 Stockton, Robert S. M17F31L33.  
 \*Stoeckel, Carl. M02L04D25.  
 \*Stoeckle, Erwin R. M28F31L37D38.  
 Stokey, Alma Gracey. M11F15L29.  
 Stoll, Norman R. M20F25L30.  
 Strang, Ruth. M30F32L37.  
 Straub, Geo. F. L24.  
 Straus, Mrs. Michael W. L26.  
 Sturgeon, Myron T. M38L40.  
 \*Swan, Mrs. J. Andrews. L29D38.  
 Swift, Harold H. L21.  
 Taber, Edmund Rhett. L16.  
 \*Taft, Elihu Barber. M87L01D31.  
 Taliaferro, W. T. L. M14F32L33.  
 \*Talmage, James Edward. L01F06D33.  
 \*Tanner, John Henry. L98F99D40.  
 \*Tarr, Ralph Stockman. M00F01L08D12.  
 \*Thaw, Benjamin. M01L09F13D33.  
 \*Thaw, Stephen D. L09F13D23.  
 \*Thayer, John Eliot. M10L11D33.  
 Thomas, Llewellyn Hilleth. L31F33.  
 \*Thompson, Caroline B. M99F13L18D25.  
 \*Thompson, Frederick F. L87D09.  
 \*Thompson, H. D. M06L07F09D27.  
 \*Thorne, Mrs. Phoebe A. L01D11.  
 \*Thorne, Mrs. W. V. S. L29D37.  
 Tolman, Richard C. M11F15L32.  
 Tomlinson, C. W. M17F21L31.  
 Trelease, Sam F. M19F21L25.  
 Trelease, William. M90F91L08.  
 \*Troesch, A. F. L17D—.  
 True, Mrs. Edward C. L33.  
 \*True, Rodney Howard. M97F09L33D40.  
 \*Tubbs, Frank Dean. M08F15L17D39.  
 \*Tuckerman, Alfred. M80L90F91D25.

- Turner, Clair Elsmere. M17F21L31.  
 Turner, M. L. M24L25.  
 Uehling, F. F. M11L29.  
 \*Vaile, Joel F. M01L13D16.  
 van Beuren, Frederick T., Jr. L87F25.  
 \*Van Horn, Frank R. M06L07F09D33.  
 van Kampen, E. R. M34F34L40.  
 Van Orstrand, Charles E. M07F11L13  
 Varela, Edmund Albert. L16.  
 Vaughan, F. E. M25F31L32.  
 \*Vaux, George, Jr. M84L85F06D27.  
 \*Veatch, Arthur C. M02F07L19D38.  
 Vedder, Edward B. M06F11L12.  
 \*Wadsworth, Frank L. O. M02L03F04D36.  
 Wadsworth, Mrs. W. Austin. L29.  
 Wahl, Manfred. M25L38.  
 Waite, J. Herbert. L39.  
 \*Walcott, Charles D. M76F22L25D27  
 Walcott, Mrs. Chas. D. L25F31.  
 \*Walker, R. M. M02L04D20.  
 Waller, Adolph E. M17L20F21.  
 \*Waller, E. M74F74L79D19.  
 Walls, John A. L34.  
 \*Walsh, Thomas F. L00D10.  
 Walsh, Thos. J. L29.  
 Walters, Frank. M06L07.  
 \*Wanamaker, Rodman. L17D28.  
 \*Warburg, Felix M. L17D37.  
 \*Ward, Charles W. M06L07D—.  
 Ward, Henry Baldwin. M99F99L20.  
 \*Ward, Robert DeC. M07F10L18D31.  
 \*Ware, Lewis Sharpe. M04F10L11D18.  
 \*Warrington, Robert. L91F99D07.  
 \*Warner, James D. M69F74L74D11.  
 Warren, Mrs. Mary Schaffer. L89.  
 \*Warrington, James N. M85L31D33.  
 \*Watson, Thomas A. M17L23F31D34.  
 \*Watson, Wm. M50F84L84D15.  
 Wayland, Charles A. M07L08  
 Webster, Mrs. A. G. M08L23  
 Webster, Hutton. M10F13L22.  
 Wedderburn, J. H. M. M11F21L37.  
 Weeks, John R. M24F31L33.  
 \*Weitling, William W. M13L25D29.  
 \*Welsh, Francis Ralston. L02D38.  
 Wernecke, Livingston. M18L31.  
 West, Augustus P. L23F25.  
 \*Westervelt, William Drake. M14L17D39.  
 Westervelt, William Young. M08F16L16.  
 Westfeldt, Mrs. Martha Gasquet. M25-  
 F32L33.  
 \*Westgate, John Minton. M11F18L25D38  
 \*Westinghouse, George. L01F02D14.  
 \*Wheelock, William E. M06L07D27.  
 \*Whippley, Henry Milton. M02L06F13D26.  
 White, Amelia Elizabeth. M24L37.  
 \*White, Israel C. M76F82L90D27.  
 \*Whiting, Donald F. M25F27L31D31  
 Whiting, Phineas. M13L15F20.  
 \*Wigglesworth, George. M08L10D30.  
 Wilcox, Alice Wilson. M12L25F33.  
 \*Wilcox, William W. L01D03.  
 Williamson, Warren. M17L20.  
 \*Wilmarth, Mrs. Henry D. L91D16.  
 \*Wilson, J. Howard. M06L07F13D36.  
 Wilson, Louis B. M10L11F13  
 Wilson, Margaret B. M06L11F33.  
 Winchester, George. M11L13F15.  
 Winsor, Henry. M27L31.  
 Winter, Floyd L. M23F31L38.  
 Wirt, John Loughborough. L16.  
 Wirtner, M. M07L08.  
 Wolcott, George N. M13L26F26.  
 Wolfe, Dael L. M32F37L38.  
 Wood, Francis Carter. M06F08L10.  
 \*Wood, Walter. L84D34.  
 Woodley, Sam. M21L30  
 \*Woodward, Robert S. M84F85L09D24.  
 Worley, Leonard G. M29L30.  
 Worthington, James H. M12L13F15.  
 Wulfing, John Max, Jr. L24.  
 Wunderlich, Frederick W. M94L98.  
 Yamanouchi, Shigeo. M06F09L23.

## EMERITUS LIFE MEMBERS

In 1911, Jane M. Smith, of Pittsburgh, Penn., bequeathed \$5000 to the Association with the stipulation that the income from the fund should be used for establishing Emeritus Life Memberships (Council minutes, Dec. 27, 1911). As income received from the Fund amounts to \$100, or a multiple thereof, it is used to pay life membership dues for one or more life members elected by the Council from among the members of longest continuous standing. Upon the death of an emeritus life member the \$100 set aside for his life membership dues reverts to the credit of income from the Fund and may be used for the payment of life-membership dues of another member elected to life membership by the Council. Two or more emeritus life members have been elected each year since 1914.

The names of emeritus life members who were living on June 1, 1934, are included, with additional information, in the complete directory of members for the period June 1, 1934-July 1, 1940, beginning on page 217. The names of emeritus life members who were deceased on June 1, 1934, are contained in some earlier volume of the Summarized Proceedings. Therefore the complete membership record of every emeritus life member is contained in some volume of the Summarized Proceedings. In the case of an emeritus life member the figures that immediately follow the letter E give the year of his election to emeritus life membership.

An asterisk preceding the name of a member indicates that he is deceased.

The symbols following the name give the complete membership record of the member. For example, the symbols following the fourth name below indicate that Wm. James Beal became a member (M) in 1868, a fellow (F) in 1880, an emeritus life member (E) in 1917 and died (D) in 1924. The letter D followed by a dash indicates that the year of the member's death is not known to the Association.

- Arthur, J. C. M72F83E24.  
 \*Baldwin, Herbert B. M94E39D39.  
 Bausch, Edward. M77F83E31.  
 \*Beal, Wm. James. M68F80E17D24.  
 Bedell, Frederick. M92F94E39.  
 \*Bethune, Charles J. S. M69F75E20D32.  
 Biddle, James G. M90E39.  
 \*Blackham, George E. M76F83E27D28.  
 Bolley, Henry L. M90F92E39.  
 \*Brackett, Richard N. M88F91E37D37.  
 Bramwell, George W. M94E39.  
 Bray, William L. M00F01E38.  
 \*Britton, Nathaniel L. M80F82E33D34.  
 \*Burgess, Thomas J. W. M89F99E18D26.  
 \*Butler, Amos W. M81F85E36D37.  
 \*Calkins, Marshall. M80E18D24.  
 Carver, Gail Luke. M91F95E39.  
 Chadbourn, Erlon R. M80E34.  
 \*Chamberlin, Thomas C. M72F77E23D28.  
 \*Chandler, Charles F. M70F75E19D25.  
 \*Clark, John E. M68F75E21D21.  
 \*Clarke, Frank W. M69F74E17D31.  
 \*Cloud, John W. M79F86E32D36.  
 Cook, Orator F. M91F92E39.  
 Crawford, Morris B. M81F89E36.  
 \*Dall, William H. M69F74E17D27.  
 \*Dana, Edward Salisbury. M74F75E25D35.  
 Davenport, Eugene. M90F09E39.  
 Deway, Lyster H. M91F99E39.  
 \*Dimmock, George. M73F74E24D30.  
 Dunnington, F. P. M31F80E37.  
 Eichelberger, W. S. M92F96E39.  
 \*Emerson, Benjamin K. M70F77E22D32.  
 Fairchild, Herman L. M78F83E30.  
 Felt, Ephraim P. M95F99E39.  
 \*Fernald, Charles H. M06F13E18D21.  
 Focke, Theodore M. M95F03E39.  
 Frankforter, George B. M94F01E39.  
 Fries, Harold H. M91F98E39.  
 Gage, Simon Henry. M79F81E31.  
 Ganong, William F. M00F00E38.  
 \*Gooch, Frank A. M76F80E28D29.  
 \*Grinnell, George Bird. M76F85E29D38.  
 Gruener, Hippolyte. M95F98E39.  
 Hagar, Stansbury. M94F99E39.  
 \*Hall, Edwin Herbert. M80F81E34D38.  
 \*Hervy, Alpheus B. M73F79E24D31.  
 \*Hilgard, Eugene W. M57F84E16D16.  
 Hobbs, William Herbert. M91F93E39.  
 Hopkins, A. D. M93F99E39.  
 \*Hopkins, Arthur John. M95F00E39D39.  
 Hopkins, Grant S. M92F00E39.  
 Hume, Alfred. M90F09E39.  
 Jones, Lewis Ralph. M92F94E39.  
 Kellogg, John Harvey. M75E31F32.  
 Kingsbury, Albert. M93F98E39.  
 Knight, Charles M. M80F04E34.  
 \*Langenbeck, Karl. M80F96E35D38.  
 \*Leach, Mary F. M95F96E39D39.  
 Lefavour, Henry. M93F94E39.

- Leverett, Frank. M88F91E37.  
 \*Linn, Alvin Frank. M01F01E38D—.  
 \*Lyle, David Alexander. M78F80E32D37.  
 McDonnell, Henry B. M91F93E39.  
 MacDougal, Daniel T. M95F97E40.  
 Macfarlane, John M. M92F99E39.  
 Mariatt, Charles L. M91F95E39.  
 Marvin, Charles F. M90F92E39.  
 \*Matlack, Charles. M78E33D33.  
 \*Mees, Carl Leo. M75F76E26D32.  
 \*Mendenhall, Thomas C. M71F74E15D24.  
 \*Michelson, Albert A. M77F79E29D31.  
 Miller, Dayton C. M95F98E39.  
 \*Miller, William Snow. M93F94E39D39.  
 Morgan, William Fellowes. M78F32E33.  
 \*Morley, Edward Williams. M69F76E19-D23.  
 \*Morse, Edward S. M69F74E15D25.  
 \*Moser, Jefferson F. M79F89E32D34.  
 Needham, James George. M96F98E40.  
 \*Nichols, Edward L. M79F81E30D37.  
 \*Paine, Cyrus Fay. M58F74E17D21.  
 \*Peck, Charles Horton. M02F06E15D17.  
 Peirce, George James. M95F97E39.  
 \*Perkins, George Henry. M69F82E20D33.  
 Ramaley, Francis. M96F99E40.  
 \*Remsen, Ira. M73F75E25D27.  
 Rice, Edward L. M94F05E39.  
 \*Rice, William North. M69F74E19D28.  
 Richards, Robert H. M73F75E18.  
 Ries, Heinrich. M92F98E39.  
 Rolfs, Peter Henry. M92F99E39.  
 Simonds, Frederic W. M76F88E29.  
 Smith, Arthur Whitmore. M95F06E39.  
 \*Smith, Eugene Allen. M71F77E22D27.  
 \*Smith, Harlan I. M92F96E40D40.  
 Smith, Herbert S. S. M80F15E36.  
 \*Smock, John Conover. M74F79E26D26.  
 \*Snyder, Monroe B. M75F82E27D32.  
 Springer, Alfred. M75F80E28.  
 Stebbins, Fannie A. M95F38E39.  
 Steiger, George. M91F01E39.  
 Stejneger, Leonhard. M91F92E39.  
 Stewart, Fred Carlton. M95F01E39.  
 \*Stockwell, John N. M69F75E21D20.  
 \*Stone, Ormond. M75F76E27D33.  
 Sturgis, William Codman. M91F92E39.  
 Swingle, Walter T. M91F92E39.  
 Tainter, Charles Sumner. M80F81E35.  
 Thompson, Joseph O. M92F93E39.  
 \*Todd, David. M78F81E30D39.  
 \*Tuttle, Albert Henry. M68F74E19D27.  
 \*Upham, Warren. M76F80E28D34.  
 Welin, John Eric. M01F11E37.  
 \*Wilbur, Albert B. M74F74E26D26.  
 \*Wiley, Harvey W. M72F74E23D30.  
 \*Williams, Edward H., Jr. M76F94E29D33.  
 \*Williams, Francis H. M80F90E35D37.  
 Willoughby, Charles C. M96F97E40.  
 Woods, Albert F. M93F97E39.  
 Wright, John S. M93F99E39.  
 \*Wurtele, Louis C. M57F75E16D19.  
 \*Yarrow, H. C. M74F74E25D29.

## EMERITUS ANNUAL MEMBERS

In 1932 Luella A. Owen bequeathed the Association \$500 without specifying the purpose to which income from it should be used. On December 29, 1932, the Council voted "that the gift of the Owen estate be used as a nucleus of a fund the income from which shall be used for emeritus annual memberships."

The letter C in the symbols following the name of an emeritus annual member precedes the year of his election as an emeritus annual member.

- \*Galloway, Beverly T. M88F90C34D38.  
 Gillette, Clarence P. M01F01C34.  
 Graham, James Chandler. M01F11C38.  
 Lindsay, Samuel McCune. M04F06C40.  
 Van Ornum, John Lane. M01F04C34.  
 (Discontinued Oct. 1, 1936.)  
 Wooton, Elmer O. M06F11C40.  
 Wulling, Frederick J. M07F10C37.

## FIFTY-YEAR MEMBERS

On April 14, 1935, the Executive Committee passed the following by-law. "Members who have paid annual dues for 50 years may be excused from further payments of dues and still retain all the privileges of active membership." In practise all members who have paid membership dues continuously for 50 years are elected fifty-year members.

The names of fifty-year members who were living on June 1, 1934, are included, with additional information, in the complete directory of members for the period June 1, 1934-July 1, 1940, which begins on page 217.

In the case of a fifty-year member the figures that immediately follow the letter V give the last two digits of the year he became a fifty-year member.

- |                                       |  |
|---------------------------------------|--|
| Boas, Franz. M87F88V37.               | Merritt, Ernest. M84F90V37             |
| Campbell, Douglas H. M85F88V37        | Miller, John Anthony. M82F06V37.       |
| Comstock, Charles W. M88F01V38        | Moody, Robert Orton. M86F92V37.        |
| *Coville, Frederick V. M86F90V37D37.  | *Moorehead, Warren King. M89F90V39-    |
| Darton, Nelson H. M88F93V38.          | D39.                                   |
| *Davis, John Jefferson. M82F99V37D37. | Moseley, Edwin L. M85F02V37            |
| French, Thomas, Jr. M81F83V36.        | Novy, Frederick G. M87F89V37.          |
| *Galloway, Beverly T. M88F00V38D38.   | Noyes, William Albert. M83F85V37.      |
| *Howe, Charles Sumner. M85F91V36D39.  | Osborn, Herbert. M83F84V37.            |
| Howe, James Lewis. M87F88V37.         | Patterson, Harry Jacob. M87F90V37.     |
| Jack, John George. M82F90V37.         | Reid, Harry Fielding. M87F93V37.       |
| Jackson, Robert Tracy. M88F90V38.     | *Shimer, Porter William. M89F09V39D38. |
| Jacobus, David Schenck. M87F89V37.    | *Thomson, Elihu. M83F08V37D37.         |
| Jastrow, Joseph. M86F87V37.           | Thruston, R. C. Ballard. M87F96V37.    |
| *Logan, Frank G. M83F32V36D37.        | *Wanner, Atreus. M87F90V37D38.         |
| MacCurdy, George Grant. M99F00V39.    | Weed, Clarence Moores. M89F90V39       |
| McGill, John Thomas. M86F88V37        | Willis, Bailey. M87F90V37.             |
| Magie, William Francis. M86F87V37.    | *Willson, Frederick N. M83F87V36D39.   |
| Martin, Lillian J. M83F86V37.         | Wolff, John Eliot. M87F94V37.          |

# HONORARY MEMBERS FROM THE BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

*For the Year 1939*

Under the reciprocal arrangement (1938) between the British Association and the American Association for "British and American Association Lectures," to be delivered in each country on alternate years, the principal executive officers of each Association are elected honorary members of the other Association. Science 88:276, 1938.

Seward, Sir Albert, President  
Boswell, P. G. H., General Treasurer  
Brooks, F. T., General Secretary  
Ferguson, A., General Secretary  
Allen, R. W., Member of Council  
Aston, F. W., Member of Council  
Aveling, F., Member of Council  
Balfour-Browne, F., Member of Council  
Beare, Sir T. Hudson, Member of Council  
Bledisloe, Rt. Hon. Viscount, Member of Council  
Calman, W. T., Member of Council  
Debenham, F., Member of Council  
Fay, C. R., Member of Council  
Fearnside, W. G., Member of Council

Fleure, H. J., Member of Council  
Fritsch, F. E., Member of Council  
Gregory, Sir Richard, Member of Council  
Hill, A. V., Member of Council  
Hill, T. G., Member of Council  
Moore, T. S., Member of Council  
Philip, J. C., Member of Council  
Smith, J. G., Member of Council  
Smith, W. Campbell, Member of Council  
Spearman, C., Member of Council  
Tierney, C., Member of Council  
Venn, J. A., Member of Council  
Walker, Sir Gilbert, Member of Council  
Whipple, R. S., Member of Council  
Wilson, J. S., Member of Council

*For the Year 1940*

Gregory, Sir Richard, President  
Boswell, P. G. H., General Treasurer  
Brooks, F. T., General Secretary  
Ferguson, A., General Secretary  
Allen, R. W., Member of Council  
Aston, F. W., Member of Council  
Beare, Sir T. Hudson, Member of Council  
Bledisloe, Rt. Hon. Viscount, Member of Council  
Calman, W. T., Member of Council  
Debenham, F., Member of Council  
Fearnside, W. G., Member of Council  
Fleming, A. P. M., Member of Council  
Fleure, H. J., Member of Council  
Fritsch, F. E., Member of Council  
Harrod, R. F., Member of Council

Hill, T. G., Member of Council  
Hutton, J. H., Member of Council  
Kerr, Sir John Graham, Member of Council  
Livingstone, Sir Richard, Member of Council  
Moore, T. S., Member of Council  
Philip, J. C., Member of Council  
Raper, H. S., Member of Council  
Smith, J. G., Member of Council  
Smith, W. Campbell, Member of Council  
Spearman, C., Member of Council  
Tierney, C., Member of Council  
Walker, Sir Gilbert, Member of Council  
Whipple, R. S., Member of Council  
Wilson, J. S., Member of Council

## HONORARY JUNIOR MEMBERS

On June 28, 1938, the Council passed a resolution to offer to each affiliated Academy of Science the privilege of nominating each year one boy and one girl from its junior academy or from junior science clubs within its territory for a one-year Honorary Junior Membership in the Association, without the payment of entrance fees and dues; and to give each honorary junior member a suitable certificate of membership, the programs of the meetings of the Association and preliminary announcements and reports of its meetings. Science Service gives each honorary junior member a subscription to Science News Letter for the term of his or her membership.

*Nominated by Alabama Academy*

Elizabeth Bush, Seale.....1939  
Wade Moss, Troy.....1939

*Nominated by British Columbia Academy*

Dorothy U. Dale, Vancouver.....1939  
Charles H. Davenport, Vancouver...1939  
A. E. Covington, Vancouver.....1940  
Odetta Hicks, Vancouver.....1940

*Nominated by Illinois Academy*

Delbert Rainey, Chester.....1940  
Nadine Whitesides, Vienna.....1940

*Nominated by Indiana Academy*

Robert Bennett, Mishawaka.....1940  
Ruth Downey, Indianapolis.....1940

*Nominated by Iowa Academy*

Don Morgan, Spencer.....1939  
Mary Jo Rosenberg, Iowa Falls.....1939

*Nominated by Kansas Academy*

Harold Green, Pittsburg.....1939  
Joanna Wagstaff, Laurence.....1939  
Bob Hull, Wichita.....1940  
Jane Miller, Wichita.....1940

*Nominated by Kentucky Academy*

Jean Adams, Louisville.....1939  
Roy Kirchoff, Bellevue.....1939  
J. Viri Chestnut, Somerset.....1940  
Alice B. Kinnard, Lancaster.....1940

*Nominated by Louisiana Academy*

Frances Hunt, Monroe.....1939  
Howard Mayfield, Baton Rouge.....1939

*Nominated by Michigan Academy*

Lyle Burdy, Ionia.....1939  
Nancy Rohde, East Lansing.....1939  
Charles Geisler, Jackson.....1940  
Bette C. Willamin, Ann Arbor.....1940

*Nominated by Minnesota Academy*

Robert Higgins, Rochester.....1939  
Althea Ryden, Stillwater.....1939

Alice Burns, Albert Lea.....1940  
James W. Shean, Albert Lea.....1940

*Nominated by Missouri Academy*

Raymond Hahn.....1940  
Mary F. McAdams, Springfield.....1940

*Nominated by New Orleans Academy*

Joseph Kyame, New Orleans.....1939  
Lester Reed, New Orleans.....1939

*Nominated by North Carolina Academy*

Eugenia Cox, Winston-Salem.....1939  
Ralph Kiser, Charlotte.....1939  
Clyde Vaughn, Charlotte.....1940

*Nominated by Oklahoma Academy*

L. D. Alley, Enid.....1939  
Oneta Carroll, Newkirk.....1939  
Katherine Craft, Henryetta.....1940  
Dean Steffey, Enid.....1940

*Nominated by Pennsylvania Academy*

Estelle Bowers, Altoona.....1939  
Howard S. McCord, Jr., Upper Darby 1939  
Caroline Emerson, Erie.....1940  
Richard Jones, Johnstown.....1940

*Nominated by St. Louis Academy*

Robert Leland, Webster Grove.....1939  
Doris von Wehrden, Normandy.....1939  
Zelda Balch, St. Louis.....1940  
David Lawrence, St. Louis.....1940

*Nominated by Texas Academy*

John Sinclair, Galveston.....1939  
Carol Ruth McElroy, Austin.....1940  
Delbert G. Tarter, Commerce.....1940

*Nominated by West Virginia Academy*

Austin Henning, Elkins.....1939  
Ruth Mayhall, Shinnston.....1939  
Cary Lou Edgar, Charleston.....1940  
Marlin Higgins, St. Albans.....1940

# ALPHABETICAL DIRECTORY OF MEMBERS

FOR THE PERIOD JUNE 1, 1934, TO JULY 1, 1940

*Individual and Institution Members.* In addition to individual members, there are a few hundred institution members. The institutions are universities, colleges, libraries, societies and corporations. For convenience the institution members are listed separately by states and countries immediately following the directory of individual members.

*Names included in the Directory.* This alphabetical directory includes not only the names of all members at July 1, 1940, its official date, but also the names of all members whose memberships terminated by death or otherwise since June 1, 1934, which was the date of the corresponding alphabetical directory in the last preceding Summarized Proceedings published in 1934. The year in which each membership terminated and the reason therefor are given following the name of the member.

*Sources of Information.* On December 15, 1939, a special form containing blanks to be filled in with information required for the alphabetical directory was sent to every member of the Association. Return envelopes were enclosed for the convenience of members in making their replies. About two-thirds of the members provided the desired information. In March, 1940, a second request was sent to those who did not reply to the first call. Although many members heeded the second request, a considerable number did not reply at all. In the case of those who did not reply it was necessary to use the information contained on their membership application cards and in other records of the office of the Permanent Secretary. This information was often supplemented by data contained in biographical directories. The name of every person who was a member of the Association on July 1, 1940, is included whether or not he filled out and returned the special information card sent to him.

*Scope of the information given.* The information following each name is of two kinds, (1) that which pertains to the member independent of his membership, such as his residence, for example, and (2) his membership record.

(1) The personal information is as follows: (a) The surname of the member; (b) the title, such as Prof., Dr., Mr., Miss; (c) the given name or names with the parts placed in parentheses that are usually omitted in correspondence (Smith, Dr. C(larence) James, for example); (d) the higher scholastic degrees received by the member, each followed by the name of the institution that conferred the degree and the last two digits of the year it was conferred (Ph.D., Yale, 31, for example); (e) the official title or position of the member (assoc. prof. chemistry or dir. research lab.,

for example); (f) the name and address of the institution (Northwestern Univ., Evanston, Ill., or General Electric Co., Schenectady, N. Y., for example); and (g) mail address in parentheses, if different from the institution address (212 E. Main St., Lansing, Mich., for example).

(2) The membership record is as follows: (a) Capital letters representing various kinds of membership (M, member; F, fellow; S, sustaining member; L, life member; E, emeritus life member; V, 50-year member; C, emeritus annual member; D, deceased; and R, resigned) indicate the successive changes in membership status of the member, and the numbers immediately following each of the various letters are the last two digits of the year the status was acquired. For example, M21L26F28D37 means that the person named was elected a member in 1921, a life member in 1926, a fellow in 1928 and died in 1937. If the membership has not been continuous, the record for each continuous period is enclosed in parentheses. (b) The offices held by a member are given in italics, and the years the offices were held. (c) The sections in which a member is interested are indicated by the letters attached to the various sections, as shown below. When there is more than one letter, the letters are arranged in the order of decreasing interest of the member in the corresponding sections.

Mathematics .....	A	Social and Economic Sciences.....	K
Physics .....	B	Historical and Philological Sciences....	L
Chemistry .....	C	Engineering .....	M
Astronomy .....	D	Medical Sciences .....	N
Geology and Geography.....	E	Subsection on Dentistry.....	Nd
Zoological Sciences .....	F	Subsection on Pharmacy.....	Np
Botanical Sciences .....	G	Agriculture .....	O
Anthropology .....	H	Industrial Science .....	P
Psychology .....	I	Education .....	Q

*Abbreviations.* The following abbreviations are used in the directory:

Acad.	Academy	Hosp.	Hospital
Agric.	Agricultural	Ins.	Insurance
Amer.	America or American	Inst.	Institute or Institution
Assn.	Association	Instr.	Instructor
Asst.	Assistant	Lab.	Laboratory
Assoc.	Associate	Med.	Medical or Medicine
Biol.	Biological	Mfg.	Manufacturing
Bur.	Bureau	Mgr.	Manager
Chem.	Chemical	Mus.	Museum
Col.	College	Nat.	National
Dept.	Department	Res.	Research
Dir.	Director	Sec.	Secretary
Div.	Division	Soc.	Society
Engng.	Engineering	Sta.	Station
Exp.	Experiment	Supt.	Superintendent
Gen.	General	Tech.	Technology
Geol.	Geological	Treas.	Treasurer

## FELLOWS AND OTHER INDIVIDUAL MEMBERS

## A

- Aamodt, Dr. O(laf) S(verre). Ph.D., Minnesota, 27. Principal agronomist, Div. Forage Crops and Diseases, U. S. Bur. Plant Industry, Washington, D. C. M22-F25. OG.
- Aaron, Dr. A. H. M.D., Buffalo, 12. Prof. clinical medicine, Univ. Buffalo School Med.; attending physician, Buffalo Gen. Hosp., Buffalo, N. Y. (64 Tudor Place) M36. N.
- Aaron, Isador (Morris). M.S., Pennsylvania State; Allegheny Flood Control Survey, Kittanning, Pa. (Brady St., Route 2, Butler, Pa.) M40. G.
- Aase, Dr. Hannah Caroline. Ph.D., Chicago, 14. Assoc. prof. botany, State Col. Washington, Pullman, Wash. M18F21. G.
- Abbe, Dr. Ernst C(leveland). M.S., Cornell, 30; M.A., Harvard, 31; Ph.D., 33. Asst. prof., Univ. Minnesota Dept. Botany, Minneapolis, Minn. M29F38. G.
- Abbitt, Dr. W(illiam) H(enry). Ph.D., Chicago, 26. Prof. physics, Texas Tech. Col., Lubbock, Tex. M31F38. AM.
- Abbot, Dr. Charles G(reeley). M.Sc., Massachusetts Inst. Tech., 95; D.Sc., Melbourne, 14. Case, 30, George Washington, 37; LL.D., Toronto, 33. Sec., Smithsonian Inst., Washington, D. C. M00F02. DB.
- Abbot, Dr. E(dward) Stanley. M.D., Harvard, 93. 29 Gloucester St., Boston, Mass. M04L09F28. IN.
- Abbott, Dr. Charles H(arian). A.M., Brown, 14; Ph.D., 18. Prof. zoology, Univ. Redlands, Redlands, Calif. M14F31. FE.
- Abbott, Donald Putnam. Student, Univ. Hawaii, Honolulu, Hawaii. M37. F.
- Abbott, Dr. Donald Putnam, Sr. M30D36. N.
- Abbott, Dr. E(rnest) V(ictor). M.S., Iowa State, 23; Ph.D., 25. Assoc. pathologist, U. S. Dept. Agric., Houma, La. M25F31. OG.
- Abbott, Dr. Howard C(linton). 212 Rumsey Ave., Lansing, Mich. M25F25R32. G.
- Abbott, Miss Julia E(lizabeth). M.A., Cornell, 27; M.S., Massachusetts State, 33. Instr. science, National Park Col., Forest Glen, Md. (413 S. Market St., Frederick, Md.) M39. QC.
- Abbott, Lynn (DeForrest), Jr. M.S., Wayne, 37; Ph.D., Michigan, 40. Asst. biochemistry, Univ. Michigan, Ann Arbor, Mich. (1014 Cornwell Place) M40. CN.
- Abbott, Dr. Maude E(lizabeth Seymour). 900 Sherbrooke St. W., Montreal, Que., Canada. M35F25R36. NL.
- Abbott, Prof. Raymond B(arrington). M.S., California, 12; Ph.D., 19. 339 Sylvia St., West Lafayette, Ind. M24F31. B.
- Abbott, Dr. Theodore J(acob). M.D., Columbia, 00. Physician, 160 E. 81st St., New York, N. Y. M20. N.
- Abbott, W. L. 3500 Sheridan Road, Chicago, Ill. M29F29. M.
- Abbott, Walter S(idney). Beltsville, Md. M24F25R37. F.
- Abbott, W(illiam) G(eorge), Jr. Treas., Hillsborough Mills, Wilton, N. H. M16-F31. M.
- Abbott, Dr. William L. M25D36. FH.
- Abegg, Dr. Fred A(nton). M.S., Syracuse, 22; Ph.D., Wisconsin, 28. Assoc. geneticist sugar plant investigations, U. S. Bur. Plant Industry, Washington, D. C. M29-F30. GO.
- Abel, F. A. E. 4604 Kahala Ave., Honolulu, Hawaii. M33R33. CO.
- Abel, Dr. James F(rederick). A.M., Stanford, 18; Ph.D., George Washington, 30. Chief Div. Comparative Education, U. S. Office Education, Washington, D. C. (2025 H St. NW.) M27. IQ.
- Abel, Dr. John J(acob). M02F02D38. N. *President, 1932.*
- Abel, Dr. Theodora M(ead). M.A., Columbia, 24; Ph.D., 25. Dir. research, Manhattan High School Women's Garment Trades; psychological consultant, Chapin School, New York, N. Y. (11 W. 11th St.) M28F31. I.
- Abell, Prof. E(dward) L(aRue). P.O. Box 642, Terre Haute, Ind. M29R34. Q.
- Abell, Richard G(urley). Dept. Anatomy, Univ. Pennsylvania School Med., Philadelphia, Pa. M33R33. NFC.
- Abello, Prof. Tomas P. M.A., Harvard, 26; Ph.D., Chicago, 26. Dept. Physics, Univ. Philippines, Manila, P. I. M34F34. B.
- Abeloff, Dr. Abram Joseph. 1114 Madison Ave., New York, N. Y. M36R36. N.
- Abercrombie, Dr. Ronald T(aylor). M.D., Johns Hopkins, 05. Dir. Dept. Physical Education and Athletics, Johns Hopkins Univ., Baltimore, Md. (10 Whitfield Road) M08. KN.
- Abercrombie, Dr. W(arren) Fulton. M.Sc., New York, 33; Ph.D., 35. Asst. prof. biology, Howard Col., Birmingham, Ala. (8216 2nd Ave. S.) M35. FN.
- Aberle, Dr. Sophie B(ledsoe) D. A.M., Stanford, 25; Ph.D., 27; M.D., Yale, 30. Supt., U. S. Pueblo Indian Agency; res. assoc., Carnegie Inst. Washington, Albuquerque, N. Mex. M26F32. HNF.
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- Abernathy, Prof. Lewis G. A.M.**, Missouri, 20. Prof. physics, Central Col., Fayette, Mo. M36F40 B.
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- Abernethy, Dr. John Leo.** M.S. Northwestern, 38. Ph.D., 40. Asst. chemistry, Northwestern Univ., Evanston, Ill. M40. C.
- Ablan, Guillermo L.** Div. Fisheries, Bur Science, Manila, P. I. M33R33. FGB.
- Ableiter, J(ames) Kenneth.** M.S., Wisconsin, 32. Senior soil technologist, U S Bur. Plant Industry, Washington, D C. M36F39. OEG.
- Abrahams, Dr. Robert.** M29D35. N.
- Abrahamson, Dr. Emanuel M. M.A.**, Columbia, 20. Ph.D., 22. M.D., 26. Adjunct attending physician, Jewish Hosp.; asst. attending physician, Greenpoint Hosp., Brooklyn, N. Y. (201 Eastern Parkway) M25F33. NCB.
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- Adler, Dr. Herman M(orris). M08F15D35. CIN.
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- Aspegren, Herman.** North Shore Point, Norfolk, Va. M27R32. C.
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- Beams, J(esse) W(akefield). M.A., Wisconsin, 22; Ph.D., Virginia, 25. Prof. physics, Univ. Virginia, Charlottesville, Va. M27F28. B.
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- Beckers, Dr. William G. Bolton, N. Y. M36R36. M.
- Becket, Dr. Frederick M(ark). A.M., Columbia, 99; Sc.D., 29; LL.D., McGill, 34. Consultant, Union Carbide and Carbon Corp., New York, N. Y. M18F31. M.
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- Boldt, Dr. H(ermann) J(ohannes).** M.D., New York, 70. Prof. emeritus gynecology, Columbia Univ. Post Graduate Med. School, New York, N. Y. (White Plains, N. Y.) M28F33. N.
- Bolduc, Dr. Antonio.** M.D., Montreal, 24. Supt., Div. Labs., City Dept. Health, Montreal, Que., Canada. M32. CN.
- Boldyreff, Prof. Alexander W(illiam).** Ph.D., Michigan, 30. Assoc. prof. mathematics, Univ. Arizona, Tucson, Ariz (2309 E. 5th St.) M34F34. ACB.
- Boldyreff, Ephraim B(asil).** Pavlov Physiological Inst., Battle Creek Sanatorium, Battle Creek, Mich. M28R32. NFC.
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- Bolling, Dr. George Melville.** 777 Franklin Ave., Columbus, Ohio. M28F30R39. L. *Vice president for Section on Historical and Philological Sciences (L)*, 1928.
- Bollinger, Prof. C(lyde) J(ohn).** M.S., Chicago, 10. Univ. Oklahoma, Norman, Okla. M27F31. E.
- Bollinger, G(iles) M(allalieu).** M25F32-D—, C.
- Bolton, Miss Euri Belle.** M.A., George Peabody, 24; Ph.D., 30. Prof. education and psychology, Georgia State Col. Women, Milledgeville, Ga. M28F33. I.
- Bolton, Frank L(eonard).** B.S., Michigan, 09. Pres., Cauyga Rock Salt Co., Inc., Myers, N. Y. (Box 586, Ithaca, N. Y.) M25. M.

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- Bomhard, Dr. Miriam L(ucile). Ph.D., Pittsburgh, 26. Assoc. forest ecologist, U. S. Forest Service, Washington, D. C. M25F30. G.
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- Bonazzi, Prof. Augusto. Estacion Experimental de Agricultura, Direccion Tecnica, Ministerio de Agricultura, Caracas, Venezuela, S. A. M25. GCO.
- Bond, Dr. Austin D(emell). A.M., Columbia, 29; Ph.D., 40. c/o J. S. Redway, Adams. N. Y. M32F33. FQ.
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- Bond, Glenn C. 935 Maine St., Lawrence, Kans. M36R36. N.
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- Bond, Mrs. Perry A(very) (See Mrs. Helen Judy Bond).
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- Boor, Dr. Alden K(inney). M.A., John B. Stetson, 22; S.M., Chicago, 23; Ph.D., Illinois, 30. Asst. prof. biochemistry, Univ. Chicago, Chicago, Ill. M22F25. CN.
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**Borg, Sidney C.** M28D34.

**Borgia, Sister M.** (See Sister M. Borgia Clarke).

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- Bott, Prof. Edward A(lexander). Univ. Toronto, Toronto, Ont., Canada. M21F21-R32. 1. *Icic president for Section on Psychology (I), 1921.*
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- Bottom, Miss Frances R(anney). M.A., George Peabody, 26. Assoc. prof. biology, George Peabody Col. Teachers, Nashville, Tenn. M28F33. G.
- Botwinick, Dr. Irving H(er shel). V.M.D., Pennsylvania. Woodbine, N. J. M39. NOF.
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- Brandes, Walter W(illiam). M.S., Northwestern, 26; M.D., 27; Ph.D., 30. Dir. labs., Roosevelt Hosp., New York, N. Y. M29F33. N.
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- Brandt, Dr. B(artholomew) B(randner). M.A., Duke, 34; Ph.D., 35. Prof. biology, East Carolina Teachers Col., Greenville, N. Car. M35. FQ.
- Brandt, Dr. Herman F(rancis). A.M., Northwestern, 27; Ph.D., Iowa, 37. Prof. applied psychology and dir. Visual Res. Labs., Drake Univ., Des Moines, Iowa. M40. IB.
- Branham, Dr. Sara E(lizabeth). Ph.D., Chicago, 23; M.D., 34; Sc.D., Colorado, 37. Senior bacteriologist, Nat. Inst. Health; professorial lecturer preventive medicine, George Washington Univ. School Med., Washington, D. C. (3100 Dumbarton Ave. NW.) M21F33. NFC.
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- Brannon, J(ames) M(arshall). M.A., Wisconsin, 14; Ph.D., Cornell, 20. Asst. prof. dairy bacteriology, Univ. Illinois, Urbana, Ill. M25F31. GNC.
- Brannon, Melvin A(mos). M.A., Wabash, 90; Ph.D., Chicago, 12. Res. algae, Univ. Florida, Gainesville, Fla. M05F09. G.
- Branom, Dr. Frederick K(enneth). M.S., Chicago, 16; Ph.D., Clark, 23. Chairman dept. Social Science, Chicago Teachers Col., Chicago, Ill. M34F34. EK.
- Bransford, John S. M.S., California, 40. Assoc., Div. Agronomy, Exp. Sta., Univ. California, Davis, Calif. M40. OG.
- Branson, Prof. Carl C(olton). M.A., Missouri, 27; Ph.D., Chicago, 29. Asst. prof. geology, Brown Univ., Providence, R. I. (103 Butler Ave.) (M29F31R34)-M39F31. E.
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- Brantly, J(ohn) Edward. E.M., Alabama, 12. Pres., Drilling and Exploration Co., Inc., Los Angeles, Calif., and Twin Oil Co., Dallas, Tex.; vice pres., Petroleum Exploration Co., Inc., Dallas, Tex. M38. EM.
- Brasch, Frederick E(dward). Library of Congress, Washington, D. C. M34F15R35. L. *Secretary of Section on Historical and Philological Sciences (L)*, 1921-27.
- Brashear, Mrs. Julia J. (Miss Julia Joyce Harper). Scottsbluff, Nebr. M25R32. G.
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- Bregowsky, Ivan M. M18D39. C.
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- Brennan, Ruby Shearer** (See Mrs. Ruby Shearer Taylor).
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- Brentzel, W(illiam) E(dward).** A.M., Missouri, 17. Plant pathologist, North Dakota Agric. Exp. Sta., Fargo, N. Dak. M20F21. GO.
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- Brewer, Prof. P. Harvey.** M.S., Purdue, 30. Asst. prof., Purdue Univ., Lafayette, Ind. (145 E. Oak St., West Lafayette, Ind.) M34F34. O.
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- Brierley, Dr. Philip. M.S., Minnesota, 22; Ph.D., Cornell, 33. Assoc. pathologist, U. S. Horticultural Sta., Beltsville, Md. M33F33. G.
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- Cohen, Sarah C.** (See Mrs. Sarah C. Banet).
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- Coyle, David Cushman. C.E., Rensselaer Polytechnic Inst., 10. Consultant, Public Works Administration, Washington, D. C. (1719 H St. NW.) M28F31. M.
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- Harned, Joseph E. Oakland Pharmacy, Oakland, Md. M18F35. GN.
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- Harnly, Dr. Morris H(enry). A.M., Columbia, 25; Ph.D., 29. Assoc. prof. biology, Washington Square Col. New York Univ., New York, N. Y. M29F31. F.
- Harnwell, Dr. Gaylord P(robasco). M.A., Princeton, 26; Ph.D., 27. Prof. physics and chairman Dept.; dir. Randall Morgan Lab. Physics, Univ. Pennsylvania, Philadelphia, Pa. (M29F30R36)M38F30. BA.
- Harp, Prof. Hugh G(rant). M.Sc., Chicago, 24. Asst. prof. astronomy and mathematics and dir. Elgar Weaver Observatory, Wittenberg Col., Springfield, Ohio. (368 Stanton Ave.) M24F32. DAB.
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- Harper, Dr. D(aniel) Roberts, 3d. M18-L20F21D35. B.
- Harper, Prof. Harold A(nthony). Sc.B., San Francisco, 33. Prof. biology, Loyola Univ., Los Angeles, Calif. M36. NFC.
- Harper, Mrs. Helen S. (Mrs. R. A. Harper). M.A., Wisconsin, 05. Route 5, Bedford, Va. M12. G.
- Harper, Dr. Henry Winston. M.D., Virginia, 92; LL.D., Baylor, 14. Prof. chemistry and dean emeritus Graduate School, Univ. Texas, Austin, Tex. (2216 Rio Grande St.) M96F99. CN.
- Harper, Dr. Horace J(ames). M.S., Iowa State, 20; Ph.D., Wisconsin, 23. Prof. soils, Oklahoma A. and M. Col., Stillwater, Okla. M25F29. OC.
- Harper, J(oseph) N(elson). M28F06-D36. O.
- Harper, Julia Joyce (See Mrs. Julia J. Brashear).
- Harper, Robert Almer. A.M., Oberlin, 97; Ph.D., Bonn, 96. Prof. emeritus botany, Columbia Univ., New York, N. Y. (Bedford, Va.) M04F06. G. *Vice president for Section on Botany (G)*, 1920.
- Harper, R(obert) B(rinton). Ch.E., Armour Inst. Tech., 09. Vice pres., Peoples Gas Light and Coke Co. and Peoples Gas Subsidiary Corp.; treas., Res. Foundation, Armour Inst. Tech., Chicago, Ill. (5000 East End Ave.) M07F33. CM.
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- Harrington, Prof. E(rtle) L(eslie). M.A., Harvard, 15; Ph.D., Chicago, 16. Prof. physics, Univ. Saskatchewan, Saskatoon, Canada; physicist, Saskatchewan Cancer Commission, Regina, Sask., Canada M25-F27. B.
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- Harris, Reginald Gordon. M24F25D36. FGH.
- Harris, Prof. Robert S(amuel). Ph.D., Massachusetts Inst. Tech., 35. Asst. prof. biochemistry nutrition, Massachusetts Inst. Tech., Cambridge, Mass. M32F38. NC.

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- Harrison, G(eorge) J(ohn). B.L., East Texas State Teacher's Col., 16. Agronomist and supt., U. S. Cotton Field Sta., Shafter, Calif. M34F34. G.
- Harrison, Dr. George R(ussell). A.M., Stanford, 20; Ph.D. 22. Massachusetts Inst. Tech., Cambridge, Mass. M34F34. BD.
- Harrison, Dr. Harold E(dward). M.D., Yale, 31. Instr., Cornell Univ. Med. Col., New York, N. Y. M40. NC.
- Harrison, Hartman K. Linden Ave. and Dolphin St., Baltimore, Md. M28R32. O.
- Harrison, Prof. Jamison R(ichard). M.A., Wesleyan, 27. Prof. physics and head Dept., Tufts Col., Medford, Mass. M34-F34. BMA.
- Harrison, Dr. John Hartwell. M.D., Virginia, 32. Instr. surgery, Harvard Med. School; junior assoc. surgery, Peter Bent Brigham Hosp., Boston, Mass. (49 Monmouth St., Brookline, Mass.) M40. N.
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- Harrison, K(enneth) A(rchibald). M.Sc., McGill, 25. Plant pathologist, Div. Botany, Dominion Lab. Plant Pathology, Kentville, N. S., Canada, M27F32. GO.
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- Harrison, Dr. Ross G(ranville). Ph.D., Johns Hopkins, 94; Freiburg, 29; M.D., Bonn, 99, Budapest, 35; M.A., Yale, 07; Sc.D., Cincinnati, 20, Michigan, 29, Trinity (Dublin), 32, Harvard, 36, Yale. 39. Prof. emeritus biology, Yale Univ., New Haven, Conn. (142 Huntington St.) M04F06. FN. *Vice president for Section on Zoological Sciences (F)*, 1936.
- Harrison, Miss Sally C. F. 600 Somerset Road, Baltimore, Md. M38R38. BC.
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- Harrison, Dr. Joseph W. E. P.D., Philadelphia Col. Pharmacy and Science, 17; Ph.M., 23. Dir. LaWall and Harrison; asst. prof. bio-assays, Philadelphia Col. Pharmacy and Science, Philadelphia, Pa. (127 S. Wycomb Ave., Lansdowne, Pa.) M35. CNQ.
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- Harrow, Prof. Benjamin. Ph.D., Columbia, 13. Prof. chemistry, Col. City New York, New York, N. Y. M17F33. NBC.
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- Johnson, Dr. Palmer O(liver). M.S., Minnesota, 26; Ph.D., 28. Prof., Univ. Minnesota, Minneapolis, Minn. (221 Melbourne Ave. SE.) M31F32. QI.
- Johnson, Dr. Peer Prescott. M.D., Vermont, oo. 163 Cabot St., Beverly, Mass. M18. N.
- Johnson, Dr. P(hilip) G(ustaf). M.S., Nebraska, 31; Ph.D., Cornell, 31. Asst. prof. Cornell Univ., Ithaca, N. Y. M36F38. QIC.
- Johnson, Raymond C(arldon). 314 Mahantongo St., Pottsville, Pa. M34R34. CM.
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- Johnson, Dr. Roger A(rthur). Brooklyn Col., Brooklyn, N. Y. M34F34R34. A.
- Johnson, Russell V(ictor). 3426 6th St. W., Calgary, Alta., Canada. M36R36. EM.
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- Johnson, Dr. Silvie Lloyd. M.D., Johns Hopkins, 18. Physician, 1303 Frederick Road, Catonsville, Md. M39. NC.
- Johnson, Dr. Simon Overton. M.D., Boston. U. S. Veterans Administration Facility, Tuskegee, Ala. M38. NIK.
- Johnson, Prof. Sydney E(vans). M.S., Washington, 14; Ph.D., Northwestern, 16; M.D., 22. Prof. gross anatomy, Univ. Louisville School Med., Louisville, Ky. M35F35. N.
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- Johnson, Dr. Thomas H(ope). Ph.D., Yale, 26. Asst. dir., Bartol Res. Foundation, Swarthmore, Pa. (Meriwether, West-town, Pa.) (M27F28R34) M36F28. B.
- Johnson, Prof. Treat Baldwin. Ph.D., Yale, 01. Prof. chemistry, Yale Univ., New Haven, Conn. (Bethany, Conn.) M18-F21. C.
- Johnson, Dr. Victor. Ph.D., Chicago, 30; M.D., 39. Assoc. prof. physiology and dean students biology and medicine, Univ. Chicago, Chicago, Ill. M34F34. N.
- Johnson, Virgil O(scar). M.A., South Dakota. Artist technician, Dept. Zoology, Univ. Oklahoma, Norman, Okla. M40. FG.
- Johnson, Prof. Warren C(harles). A.M., Clark, 23; Ph.D., Brown, 25. Assoc. prof. chemistry, Univ. Chicago, Chicago, Ill. (M30F33R33) M36F33. C.
- Johnson, Dr. William C(linton). M29F33-D—. N.
- Johnson, Dr. William David. Surgeon and chief staff, St. Jerome Hosp., Batavia, N. Y. M36. N.
- Johnson, William Hannibal. M30D—.
- Johnson, Dr. William S(anborn). 57 Dodge Ave., Pittsfield, Mass. M25R33. C.
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- Johnston, Dr. Charles G(eorge). Dept. Res. Surgery, Univ. Pennsylvania, Philadelphia, Pa. M27R33. NF.
- Johnston, Prof. Clarence T(homas). C.E., Michigan, 99. Prof. geodesy and surveying, Univ. Michigan, Ann Arbor, Mich. (1335 Hill St.) M17F28. M.
- Johnston, Dr. Earl S(teinfeld). A.M., Dickinson, 14; Ph.D., Johns Hopkins, 17. Asst. dir., Div. Radiation and Organisms, Smithsonian Inst., Washington, D. C. (5 Beech St., College Heights, Hyattsville, Md.) M11F21. GB.
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- Johnston, Dr. John. Res. Lab., U. S. Steel Corp., Kearny, N. J. M12F14R36. C. *Secretary of Section on Chemistry (C), 1913-17. Member of the Executive Committee, 1928.*
- Johnston, Prof. John B(lack). Mo2Fo4-D39. FQI.
- Johnston, J(ohn) Clarke. 800 W. Myrtle Ave., Visalia, Calif. (?) M32R39. O.
- Johnston, Prof. John R(obert). M.S., Harvard, 04. Dir. Escuela Nacional Central de Agricultura, Chimaltenango, Guatemala, C. A. M10F15. G.
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- Johnston, William R(ankin). M24D38. C.
- Johnstone, E(dward) R(ansom). M.Sc., Princeton, 23. Executive dir., Training School, Vineland; pres., State Prison Board and State Parole Board, Trenton, N. J. M28F33. IKQ.
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- Joline, E(mmet) A(rthur). M22D36. MIK.
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- Jones, Dr. Alexander J(ames). M.B., Edinburgh, 407 S. 7th St., Springfield, Ill. M40. NCO.
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- Jones, Prof. Clement Ross. Mo1F12-D39. M.
- Jones, Prof. Clyde H(arold). M.S., Ohio State, 37. Curator herbarium, and instr., Dept. Botany, Ohio State Univ., Columbus, Ohio. M40. GE.

- Jones, Dr. D(avid) Breese. Ph.D., Yale, 10. Principal chemist, Protein and Nutrition Res. Div., U. S. Bur. Agric. Chemistry and Engng., Washington, D. C. M25F27. NC.
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- Jones, Dr. David F(ranklin). Ph.M., Philadelphia Col. Pharmacy, D.Sc., South Dakota. Watertown, S. Dak. M35F35. CNp.
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- Jones, Dr. Donald F(orsha). M.S., Syracuse, 16; Sc.D., Harvard, 18. Geneticist, Connecticut Agric. Exp. Sta., New Haven, Conn. M21F22. GO.
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- Jones, Edward L(eo). A.B., Catholic, 20 Chemist, Oneida, Ltd., Oneida, N. Y. (225 Prospect St., Sherrill, N. Y.) M26. CIM.
- Jones, Dr. Edward N(ewlon). Ph.D., Iowa, 25. Chairman Div. Biol. Sciences and dean, Baylor Univ., Waco, Tex. M23F31. GF.
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- Jones, Dr. Ernest Victor. M.A., Vanderbilt, 09; Ph.D., 12. Head Dept. Chemistry, Birmingham-Southern Col., Birmingham, Ala. M34F34. CBM.
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- Jones, Dr. Frederic S(owden). M28F31-D34. NO.
- Jones, Prof. George Ellis. M.A., Clark, 13; Ph.D., 15. Prof. psychology, Univ. Pittsburgh, Pittsburgh, Pa. M18F33. QI.
- Jones, G(eorge) Eric. Washington Missionary Col., Takoma Park, Md. M33R35. BDA.
- Jones, Dr. George Maceo. M.S., Michigan, 25; Ph.D., 34. Architect, 417 E. 47th St., Chicago, Ill.; assoc. prof. architecture, Howard Univ. Washington, D. C. M39. MAB.
- Jones, George T(allmon). A.M., Oberlin, 23; Ph.D., Chicago, 35. Asst. prof. botany, Oberlin Col., Oberlin, Ohio. (322 W. College St.) M34F34. GFE.
- Jones, Prof. Harold C(harles). M.A., Oberlin, 30. Prof. biology, Berry Col., Mt. Berry, Ga. M31F39. GFE.
- Jones, Prof. Harold E(llis). A.M., Columbia, 20; Ph.D., 23. Prof. psychology and dir. Inst. Child Welfare, Univ. California, Berkeley, Calif. (2683 Shasta Road) M28-F31. IQ.
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- Jones, Dr. Henry A(lbert). Ph.D., Chicago, 18. Principal olericulturist, U. S. Horticultural Sta., Beltsville, Md. M29-F30. GO.
- Jones, Dr. Herman Douglas. M.A., Columbia, 29; Ph.D., Vanderbilt, 39. Assoc. prof. organic chemistry and biochemistry, Alabama Polytechnic Inst., Auburn, Ala. M34F38. CN.
- Jones, Dr. Hilton Ira. A.M., Drake, 04; Ph.D., South Dakota, 16. Managing dir., Hizone Products, Wilmette, Ill. (1538 Forest Ave.) M11F13. C.
- Jones, Inigo (Owen). Crohanhurst Observatory, Beerwah, Queensland, Australia. M34. D.
- Jones, Dr. I(slwyn) W(inwaeloc). Ph.D., Toronto, 28. Chief Div. Geol. Surveys, Quebec Bur. Mines, Quebec, Que., Canada. M34F34. E.
- Jones, Prof. Ivan D(unlavy). North Carolina State Col., Raleigh, N. Car. M32R32. OCG.

- Jones, Prof. J Shirley. M.S.A., Cornell, 14. Prof. agric. chemistry, Oregon State Col.; chemist in charge, Dept. Agric. Chemistry, Oregon Agric. Exp. Sta., Corvallis, Oreg. (2833 Arnold Way) M17-F18. CO
- Jones, Dr. J. S. William. A.M., Washington Col., 92; D.Sc., 18; Litt.D., Franklin and Marshall, 28. Prof. mathematics and dean, Washington Col., Chestertown, Md. (224 Washington Ave.) M37. AD.
- Jones, Jenkin W(illiam). M.S., California, 24. Senior agronomist, Div. Cereal Crops and Diseases, U. S. Bur. Plant Industry, Washington, D. C. M28F29. O.
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- Jones, John McKinley. M.A., Missouri, 12. Chief Div. Range Animal Husbandry, Texas Agric. Exp. Sta., College Station, Tex. (812 Ennis St., Bryan, Tex.) M13-F40. O.
- Jones, J(ohn) P(aul). M.S., Maryland, 21; Ph.D., Cornell, 26. Center Bldg., Upper Darby, Pa. M24F31. GO.
- Jones, Prof. J(oseph) W(illiam) L(ester). A.M., Princeton, 95; Ph.D., 01. Prof. psychology, Heidelberg Col., Tiffin, Ohio. (130 Greenfield St.) M22F31. IHK.
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- Jones, Dr. Kenneth K(arl). M.S., Kansas State, 12; Ph.D., Northwestern. Asst. prof., Northwestern Univ. Med. School, Chicago, Ill. M38F40. NO.
- Jones, Prof. Lauder W(illiam). Ph.D., Chicago, 97; Sc.D., Williams, 27. 160 S. Gramercy Place, Los Angeles, Calif. M08-F10. C. *Vice president for Section on Chemistry (C), 1926.*
- Jones, Dr. Leon K(illy). M.S., Wisconsin, 21; Ph.D., 22. Assoc. prof. and assoc. plant pathologist, State Col. Washington, Pullman, Wash. M24F25. GF.
- Jones, Dr. Lewis Ralph. Ph.D., Michigan, 04; Sc.D., Vermont, 10. Brookfield, Vt. M92F94E39. G. *Vice president for Section on Agriculture (O), 1924.*
- Jones, Dr. Linus H(ale). M.Sc., Massachusetts State, 19; Ph.D., Rutgers, 22. Asst. res. prof., Massachusetts Agric. Exp. Sta., Amherst, Mass. M21F24. GO.
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- Jones, Prof. Lloyd R. Ph.D., St. Louis, 28. Asst. prof. bacteriology and chairman Dept., St. Louis Univ., St. Louis, Mo. (1402 S. Grand Ave.) M34F34. N.
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- Jones, Dr. Lynds. M.Sc., Oberlin, 95; Ph.D., Chicago, 05. Prof. emeritus animal ecology, Oberlin Col., Oberlin, Ohio. (352 W. College St.) M01F05. FG.
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- Jones, Prof. Marcus Eugene. M91F93-D34. EGH.
- Jones, Mark M(anderville). Pres., Akron Belting Co., Akron, Ohio; chairman Board, Power Transmission Council, Boston, Mass.; consulting economist, Princeton, N. J. M29. K.
- Jones, Dr. Marvin Fisher. M.D., Buffalo, 13. Surgeon dir. otolaryngology, Manhattan Eye, Ear, and Throat Hosp., New York; consulting otolaryngologist, New York Hosp. and Tioga County Gen. Hosp., New York, United Hosp., Port Chester, N. Y., and Newton Hosp., Newton, N. J. M34F34. N.
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- Jones, Thomas H(enry). 8 Whippany Road, Morristown, N. J. M12F20R36. F.
- Jones, Dr. Vera Heinly. M36D—N.
- Jones, Dr. Victor H(arian). M.S., Ph.D., Iowa. Section Sedimentation Studies, U. S. Soil Conservation Service, Washington, D. C. M39. E.
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- Jones, Dr. Walter. M28F31D35. N.
- Jones, Dr. Walter B(ryan). M.A., Alabama, 20; Ph.D., Johns Hopkins, 24. Dir. state conservation, Montgomery; state geologist, University, Ala. M28-F30. E.
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- Jones, Dr. William H(enry, Jr.). Emory University, Ga. M34F34R35. C.
- Jones, Dr. Winston W(illiam). M.S., Purdue, 33; Ph.D., Chicago, 36. Asst. horticulturist, Agric. Exp. Sta., Univ. Hawaii, Honolulu, Hawaii. M39F40. GO.
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- Jopling, James E(dmund). 321 Cedar St., Marquette, Mich. M18R35. M.
- Jopson, Harry G. M. Bridgewater Col., Bridgewater, Va. M39. G.
- Jorae, Miss Irene Frances. M.A., Michigan, 30. Acting head Dept. Biology, Central State Teachers Col., Mt. Pleasant, Mich. M38. F.
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- Jordan, Dr. Edwin P(ratt). M.D., Rush, 27. Assoc. editor, Journal Amer. Med. Assn., 535 N. Dearborn St., Chicago, Ill. (791 Bryant Ave., Winnetka, Ill.) M39-F39. NHL.

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- Krantz, Dr. John C., Jr. M.S., Maryland, 24; Ph.D., 28; Ph.M., Philadelphia Col. Pharmacy, 31. Dept. Pharmacology, Univ. Maryland School Med., Baltimore, Md. M34F34. CNP. *Chairman, Subsection on Pharmacy (Np), 1936.*
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- Luyten, Prof. Willem J(acob). Ph.D., Leiden, 21. Prof. astronomy, Univ. Minnesota, Minneapolis, Minn. M34F34. D.
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- McClure, Dr. Frank J(ames). State College, Pa. M34F34R34. O.
- McClure, Gervase Wilford. New York Zoological Park, New York, N. Y. M31-R33. FHN.
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- McClure, Dr. Roy D(onaldson). M.D., Johns Hopkins, 08; D.Sc., Ohio State, 35. Surgeon-in-chief, Henry Ford Hosp., Detroit; extra-mural lecturer, Univ. Michigan, Ann Arbor, Mich. (1490 Iroquois Ave., Detroit, Mich.) M28F35. N.
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- McCollum, Dr. E(lmer) V(erner). M.A., Kansas, 04; Ph.D., Yale, 06; Sc.D., Cincinnati, 20. Johns Hopkins Univ. School Hygiene and Public Health, Baltimore, Md. M07F11. CN.
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- McCrae, Dr. Thomas. M28F33D35. N.
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- McCullough, Prof. James C(aldwell). M.S., Case, 10. Prof. chemistry, Oberlin Col., Oberlin, Ohio. (153 S. Cedar St.) M28F33. CBI.
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- MacCurdy, Dr. Hansford M. M02F11D37. FG.
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- Maria, Sister Stella (See Sister Stella Maria Hogan).
- Marie, Mother (See Mother Marie Kerna-gan).
- Marie, Sister Aloysius (See Sister Aloysius Marie Metz).
- Marie, Sister Cassiana (See Sister Cas-siana Marie Vogt).

- Marie, Sister Catherine (See Sister Catherine Marie O'Brien).
- Marie, Sister Florence (See Sister Florence Marie Scott).
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- Mark, Sister Mary (See Sister Mary Mark Scanlan).
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- Miller, Howard S(eaman). E.E., Syracuse, 13; M.A., California, 15; LL.B., George Washington, 19, Law examiner, U. S. Patent Office, Washington, D. C. (1355 Locust Road NW.) M40. MB.
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- Miller, Dr. Joseph L(eggett). M08F11-D37. N.
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- Moore, Dr. Dan H(ouston). Ph.D., Virginia, 36. Assoc. anatomy, Columbia Univ. Col. Physicians and Surgeons, New York, N. Y. (53 Marble Hill Ave.) M40F40. B.
- Moore, David Palmer. S.B., Massachusetts Inst. Tech., 28. Asst. metallurgist, Crucible Steel Co. Amer., Pittsburgh, Pa. (414 Olympia Road, Mt. Washington) M39. MBC.

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- Moore, Dr. Dwight M(unson). M.S., Denison, 21, Ph.D., Ohio State, 24. Prof. and head Dept. Botany, Univ. Arkansas, Fayetteville, Ark. M23F31. GC.
- Moore, Dr. Earl N(eil). D.V.M., Ohio State, 30. Asst. animal pathologist, West Virginia Agric. Exp. Sta., Morgantown, W Va M40F40. NOF.
- Moore, Dr. Edmond E(ugene). Ph.D., Iowa State, 28. Res. chemist, Abbott Labs, North Chicago, Ill. M28F33. C.
- Moore, Edward Frederick. M.S.E., Michigan, 23. 1 Wall St. New York, N. Y. (88 Morningside Drive) M40. KM
- Moore, Prof. Edward J(ames). A.M., Oberlin, 06. Ph.D., Chicago, 13. Dean, Univ. Buffalo Graduate School Arts and Sciences, Buffalo, N. Y. (28 Tennyson Ave.) M11F15. B.
- Moore, Dr. E(dward) K(enneth). Ch.E., Cincinnati, 25; Ph.D., Cincinnati. Dir. res. lab., Fouke Fur Co., 1328 S Kingshighway, St. Louis, Mo. M40. CNM.
- Moore, Major Edward W(illiam). Moorehaven, Chase Ave., El Cajon, Calif. M18-R34. IMN.
- Moore, Dr. Elinor. Ph.D., Pennsylvania, 36. Assoc. physiological chemistry ophthalmology, Univ. Pennsylvania School Med., Philadelphia, Pa. M31F38L40. NCF.
- Moore, Miss Elizabeth J. M.A., Texas, 32. Assoc. res. cotton root-rot, Univ. Texas, Austin, Tex. (3504 Duval St.) M38. BO.
- Moore, Prof. Elwood S. M.A., Toronto, 08; Ph.D., Chicago, 09. Prof. geology and head Dept., Univ. Toronto; dir. Royal Ontario Mus. Geology, Toronto, Ont., Canada. (18 Indian Grove) Mo8F11L25. E. *Secretary of Section on Geology and Geography (E)*, 1921-24.
- Moore, Dr. Ernest Carroll. Ph.D., Chicago, 98. Prof. philosophy and education, Univ. California Los Angeles, Los Angeles, Calif. (516 Woodruff Ave.) M11-F15. Q.
- Moore, Prof. Frank C(ochran). A.B., Dartmouth, 02. Assoc. prof. mathematics, Massachusetts State Col., Amherst, Mass. (26 Allen St.) M07F15. A.
- Moore, Prof. G(eorge) A(zro). Dept. Zoology, Oklahoma A. and M. Col., Stillwater, Okla. M31F33R35. FG.
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- Moore, Dr. Glenn S. M.D., St. Louis, 21. 59 E. Madison St., Chicago, Ill. M40. CBA.
- Moore, Dr. H. A. Oxford, Ohio. M31R32. NFG.
- Moore, Harvey Le Noir. 8 Morris Circle, Trenton, N. J. M22R34. O.
- Moore, Dr. Henry Frank. Linville Falls, N. Car. M35F35. F.
- Moore, Dr. Henry Thomas. Skidmore Col., Saratoga Springs, N. Y. M17F28R39. I.
- Moore, Dr. Herbert. 6 Stanton Ave., South Hadley, Mass. M39R39. I.
- Moore, Prof. H(erbert) F(isher). M.E., Cornell, 99; M.M.E., 03; D.Sc., New Hampshire, 22. Res. prof. engng. materials, Univ. Illinois, Urbana, Ill. (803 Indiana Ave.) M24F25. M. *Vice president for Section on Engineering (M)*, 1929.
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- Moore, J. Alex. Jasper, Ala. M32R32.
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- Moore, Hon. John Bassett. LL.D., George Washington, 99, Delaware, 00, Yale, 01, Chile, 10, Brown, 14, McGill, 21, New York, 23, Pennsylvania, 24, Columbia, 27, Washington Col., 32. Lawyer, 960 Park Ave., New York, N. Y. M13F40. K.
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- Moore, Dr. William D(ewey), M.S., Rutgers, 22; Ph.D., 23; Sc.D., Clemson, 37. Pathologist, Georgia Coastal Exp. Sta., U. S. Bur. Plant Industry, Tifton, Ga. M23-F25. OG.
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- Moots, Dr. Elmer E(arl), M.S., Maine, 08; C.E., Wisconsin, 11; Ph.D., Iowa, 27. Chairman Dept. Mathematics, Cornell Col., Mt. Vernon, Iowa. (720 5th Ave. N.) M34F34. AMD.
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- Morales, Dr. Luis M(anuel), M.D., Med. Col. Virginia, 26. Lecturer psychiatry, Univ. Puerto Rico, Rio Piedras; at-tending neuropsychiatrist, Univ. Hosp., San Juan, and Presbyterian Hosp. and Hosp. Mimiya, Santurce, P. R. (7 Ger-trudis St., Santurce, P. R.) M38. NIH.
- Moran, Clement, M.S., Cornell, 35. Assoc. prof. physics, Univ. New Hampshire, Dur-ham, N. H. (20 Mill Road) M24F33. B.
- Morawetz, Victor. M24D38. CB.
- More, Charles C(hurch), C.E., Lafayette, 98; M.C.E., Cornell, 99. Prof. structural engng., Univ. Washington, Seattle, Wash. (4545 5th Ave. NE.) M30F34. M.
- More, Dr. Louis T(renchard), Ph.D., Johns Hopkins, 95. Dean Graduate School Arts and Sciences, prof. physics, and dir. press, Univ. Cincinnati, Cincinnati, Ohio. M07F10. B.
- Morehead, Dr. J(ames) C(addall), A.M., Roanoke, 99; M.S., Princeton, 00; Ph.D., Yale, 05. Carnegie Inst. Tech., Pittsburgh, Pa. M29F33. AB.
- Morehouse, Dr. Alanson D(avid), M.E., Cornell, 93; Ph.D., George Washington, 20. Hydraulic engineer, U. S. Dept. Agric., Washington, D. C. (1526 O St. NW.) M34F34. MEO.
- Morehouse, D(aniel) W(alter), S.M., Drake, 02; Ph.D., California, 14; LL.D., Butler, 31. Pres., Drake Univ., Des Moines, Iowa. M22F23. D. *Vice president for Sec-tion on Astronomy (D)*, 1930.
- Morehouse, Dr. G(uel) G(eorge), M23-D36. MNB.
- Morehouse, Lyman F(oot), Marlboro Inn, Montclair, N. J. M22F29R39. BM.
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- Morell, Dr. L. G. Dow Chem. Co., Mid-land, Mich. M32F33R34. B.
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- Moreno, Arturo, Jr. M.S., Detroit Inst. Tech., 36. Electric engineer representative Malaya, Siam, and Netherlands East Indies for General Electric X-ray Corp., The Borneo Co., Ltd., Singapore, Straits Settlements. M39. MBN.
- Moreno, Prof. Halcott C(adwalader), 684 Mirada Ave., Stanford University, Calif. M17F33R38. AM.
- Moreno, Dr. Jacob L. M.D., Vienna, 17. Physician-in-charge and dir., Beacon Hill Sanatorium, Beacon, N. Y. M38. IKN.
- Morenus, Prof. Eugenie M(aria), A.M., Vassar, 05; Ph.D., Columbia, 22. Prof. mathematics, Sweet Briar Col., Sweet Briar, Va. M23F33. A.

- Morey, Carroll A(ndrew). M.S., Colorado, 27. Dean and head Depts. Chemistry and Geology, Findlay Col., Findlay, Ohio. (M34F34R34)M37F34. C.
- Morey, Dr. Glen H(enry). M.S., Ph.D., Chicago, 32. Res. chemist, Commercial Solvents Corp., Terre Haute, Ind. M39. C.
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- Morgan, Prof. Charles L(ee). Clemson Agric. Col., Clemson College, S. Car. M29F33R37. OFC.
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- Morgan, George W(alter). Havre, Mont. M24R33. O.
- Morgan, Dr. Herbert R(ollo). Ph.D., Virginia, 01. Principal astronomer, U. S. Naval Observatory, Washington, D. C. M35F35. D. *Vice president for Section on Astronomy (D)*, 1935.
- Morgan, Dr. Hugh Jackson. M.D., Johns Hopkins, 18. Prof. medicine, Vanderbilt Univ. School Med.; physician-in-chief, Vanderbilt Univ. Hosp., Nashville, Tenn. (White Bridge Pike) M24F27. N.
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- Morgan, Prof. John J(acob) B(rooke). A.M., Columbia, 13; Ph.D., 16. Prof. psychology, Northwestern Univ., Evanston, Ill. (3015 Simpson St.) M16F28. IKQ.
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- Poindexter, Miles. LL.D., George Washington, 19. Greenlee, Va. M30. LH.
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- Ponomaroff, Prof. I. F. Inst. Tech., Tomsk, Siberia, U. S. S. R. M28R35. MCB.
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Popenoe, Dr. Paul. Sc.D., Occidental, 29. Gen. dir., Inst. Family Relations, 607 S. Hill St.; lecturer biology, Univ. Southern California, Los Angeles, Calif. (2495 N. Marengo Ave., Altadena, Calif.) M20F21. FKI.

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Porte, William S(olomon). B.Sc., Rutgers, 15. Assoc. pathologist, U. S. Horticultural Sta., Beltsville, Md. (1617 25th St. SE, Washington, D. C.) M22F25. GO.

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Porter, Dr. Donald R. M.S., Iowa State, 25; Ph.D., 29. Plant pathologist and geneticist, Campbell Soup Co., Riverton, N. J. (14 Valley View Terrace, Moorestown, N. J.) M35F35. G.

Porter, Dr. Eugene L(yman). A.M., Michigan, 08; Ph.D., Harvard, 12. Prof. physiology, Univ. Texas Faculty Med., Galveston, Tex. M17F21. N.

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Porter, Harold L(awrence). M.A., Ohio State, 38. Inspector, Div. Plant Industry, Ohio Dept. Agric., Columbus, Ohio. (Marengo, Ohio) M40. GOF.

Porter, H(enry) Hobart. M.E., Columbia, 86; LL.D., Hobart, 30; D.Eng., Rensselaer Polytechnic Inst., 38. Chairman board dir., Amer. Water Works and Electric Co., 50 Broad St.; senior partner, Sanderson and Porter, 52 Williams St., New York, N. Y. M01F29. M.

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Porter, James F. M07F14L23D39. FDC.

- Porter, Dr. James P(ertice). A.M., Indiana State Normal, 01. Ph.D., Clark, 05; D.Sc., Waynesburg, 17. Prof. psychology, Ohio Univ., Athens, Ohio. (165 N. Congress St.) M08F11. I.
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- Porter, John L. 1702 First Nat. Bank Bldg., Pittsburgh, Pa. M35R36.
- Porter, Dr. Joseph F(ranklin). 1330 Baltimore Ave., Kansas City, Mo. M24F32-R36. M.
- Porter, Langley. Univ. California School Med., San Francisco, Calif. M35F38. N.
- Porter, Lawrence Copeland. Ph.B., Yale, 07. Illuminating engineer, Gen. Electric Co., Nela Park, Cleveland, Ohio. (16259 Oakhill Road, Cleveland Heights) M34-F32. M.
- Porter, Dr. Lyman E(dwards). M.A., Yale, 18; Ph.D., 20. Assoc. prof. chemistry, Univ. Arkansas, Fayetteville, Ark. (211 W. Mountain St.) M25F33. C.
- Porter, Dr. Philip K. M.A., Illinois, 21; Ph.D., 23. Res. fellow, Mellon Inst. Industrial Res., Pittsburgh, Pa. M35F35. C.
- Porter, Richard J(anvier). M.A., Virginia, 5603 Maryland Ave., Chicago, Ill. M38. NF.
- Porter, Prof. Royal A(rthur). M.S., Northwestern, 02; Ph.D., Göttingen, 12. Prof. physics Syracuse Univ., Syracuse, N. Y. (861 Ostrom Ave.) M04F06. B.
- Porter, Dr. R(upert) Howard. M.S., Iowa State, 20; Ph.D., 30. Res. assoc. prof. and assoc. prof. botany and agronomy, and head Seed Lab., Iowa State Col., Ames, Iowa. (3416 Oakland St.) (M29F31R36)-M38F31. GO.
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- Potter, Charles H(ollister). 1726 Hoban Road NW., Washington, D. C. M26. C.
- Potter, Prof. Clifford M(iller). M.S., Alfred, 23. Prof. physics, Alfred Univ., Alfred, N. Y. M32F33. BAM.

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Pouliot, Charles E. Sola de Vega, Oaxaca, Mexico. M37R37. M.

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Poulter, Dr. Thomas C(harles). Ph.D., Chicago, 33; Sc.D., Iowa Wesleyan, 35. Scientific dir., Res. Foundation, Armour Inst. Tech., Chicago, Ill. M36F36. BDC.

Pound, Prof. Roscoe. A.M., Nebraska, 89; Ph.D., 97; LL.M., Northwestern, 08; LL.D., Michigan, 13, Nebraska, 13, Missouri, 16, Chicago, 16, Brown, 19, Harvard, 20, Cambridge, 22, Union, 23, Pittsburgh, 26, Colorado, 27, George Washington, 28, California, 29, Cincinnati, 33; L.H.D., Boston, 33; J.U.D., Berlin, 34. Prof., Harvard Law School, Cambridge, Mass. (304 School St., Watertown, Mass.) M04F06. G.

Povah, Dr. Alfred H(ubert William). Ph.D., Michigan, 16. Teacher biology, Edwin Denby High School, Detroit, Mich. (143 Elmhurst Ave.) M35F21. G.

Povitzky, Dr. Olga R. M.D., Woman's Med. Col. Pennsylvania, 01; Dr.P.H., New York, 24. Bacteriologist, Dept. Health Res. Labs., New York, N. Y. (72½ Irving Place) M32F33. N.

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Powell, Frederick James. M04D35. IKA.

Powell, Dr. H(orace) M(ann). Sc.D., Johns Hopkins, 23. Bacteriologist, Eli Lilly and Co., Indianapolis, Ind. (5565 Washington Blvd.) M34F34. N.

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- Power, Prof. Carleton E(lderkin). Ph.D., Cornell, 15. Prof. natural science, New York State Col. Teachers, Albany, N. Y. (272 S. Main Ave.) M29F31. BQA.
- Power, Rev. Francis (William), S. J. A.M., Clark, 17; Sc.D., Fordham, 26. Prof. quantitative analysis and prof. micro-analysis, Fordham Univ., New York, N. Y. M34F34. CNQ.
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- Powers, Dr. W(ilbur) L(ouis). M.S., New Mexico State, 09; Ph.D., California, 26. Soil scientist and head Soil Dept., Oregon State Col. and Exp. Sta., Corvallis, Oreg. M24F25. OC.
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- Poynter, Dr. Helen J. Ph.D., Chicago, 39. Res. asst., Dept. Anatomy, Columbia Univ. Col. Physicians and Surgeons, New York, N. Y. M38. FH.
- Pozen, Dr. Morris A. Phar.D., George Washington, 08; B.S., 13. Consultant chemist, 30 Irving Place; dir., Brewing Res. Labs., New York, N. Y. M39. CP.
- Praeger, William Emilius. M03F11D36. GF.
- Prager, Prof. William L(ouis). M.S., New York, 04; Ph.D., Clark, 08. Prof. chemistry and chairman Dept., City Col., New York, N. Y. M10F28. C.
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- Prather, Dr. John McClellan. M02F33D38. FGQ.
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- Pratt, Dr. Jean Paul. M.D., Johns Hopkins, 10. Chief Dept. Obstetrics and Gynecology, Henry Ford Hosp., Detroit, Mich. M17F33. N.
- Pratt, Dr. Joseph Hersey. M.D., Johns Hopkins, 98; A.M., Harvard, 01. Physician-in-chief, New England Med. Center; clinical prof. medicine, Tufts Col. Med. School, Boston, Mass. (94 Upland Road, Brookline, Mass.) M10F18. N.
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- Prefontaine, Dr. Georges H. M.D., Montreal. Dept. Biology, Univ. Montreal, Montreal, Que., Canada. M28. F.
- Preiser, Theodore H. B.C.S., New York, 21. Financial adviser, 9 Hagilboa St., Tel-Aviv, Palestine. M38. AK.
- Preisler, Dr. Paul W(illiam Otto). M.S., Washington Univ., 25; Ph.D., 27. Instr. biochemistry, Washington Univ., St. Louis, Mo. (3420 Longfellow Blvd.) M35F35-L37. C.
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- Prenner, I(sadore) S(edor). M24D34. M.
- Prentice, Donald B(ishop). M.E., Yale, 14; M.A., Lafayette, 27; Sc.D., 36; LL.D., Wabash, 32. Pres., Rose Polytechnic Inst., Terre Haute, Ind. M35F35. M.
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- Prentiss, Dr. Elliott C(oues). M16F20D36. NDH. *President of Southwestern Division, 1925.*
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- Smith, Dr. George Otis. A.M., Colby, 96; Ph.D., Johns Hopkins, 96. Dir. retired, U. S. Geol. Survey, Washington, D. C.; chairman trustees, Colby Col., Waterville, Maine. (Skowhegan, Maine) M02F06. E.
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- Smith, Dr. Holt. William Jewell Col., Liberty, Mo. M36R36. L.
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- Stookey, Dr. Lyman B(umbaugh). M35-F06D40. F.
- Stookey, Dr. S(tephen) W(harton). M.S., Coe, 87; LL.D., 05. Dean and prof. geology emeritus, Coe Col., Cedar Rapids, Iowa. (2505 A Ave. NE.) (M11F15R32)-M39F15. EG.
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- Story, Miss Louise. Athens and Clarke County Dept. Health, Athens, Ga. M39. N.
- Stose, George Willis. U. S. Geol. Survey, Washington, D. C. M02F09R39. E.
- Stose, Harold F(rederick). S.M., Massachusetts Inst. Tech., 22. Res. chem. engineer, Gen. Res. Lab., Owens-Illinois Glass Co., Toledo, Ohio. M24F33. CMB.
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- Webber, A(lfred) Robert. B.S., Case. Chem. engineer, Calvert Distilling Co., Relay, Md. M40. MC.
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Whitford, Prof. E(dward) E(verett). Col. City New York, New York, N. Y. M22F33R34. A.

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Whiting, Willson. Devon, Pa. M36R37. HK.

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- Wicks, Dr. James M(onroe). M29D34. NHE.
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- Wilder, Dr. William H(amlin). M07F27-D35. N.
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- Willoughby, Prof. C(laude) H(ouston). M.A., George Peabody, 24. Prof. animal husbandry, Univ. Florida Col. Agric., Gainesville, Fla. (210 Roux St.) M34F34. OF.
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- Wills, Dr. Elbert Vaughan. M.A., New York, 22; Ph.D., 23. Chief Federal Standard Stock Catalog Div., Procurement Div., U. S. Treasury Dept., Washington, D. C. M39. I.QK.
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- Wilson, James W(ilbur). Brookings, S. Dak. M22F24R39. F.
- Wilson, Dr. John Arthur. Sc.D., Lehigh, 20. Tech. dir., Bona Allen, Inc., Buford, Ga. M24F25. C.
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- Wilson, Mrs. Lucy L(angdon) W(illiams). M18F31D37. EQL.
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- Young, Dr. William E. 904 Washington St., Rensselaer, N. Y. M39. QKL.
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- Zeckwer, Dr. Isolde T(herese). M.D., Women's Med. Col. Pennsylvania, 19. Asst. prof. pathology, Univ. Pennsylvania School Med., Philadelphia, Pa. M29-F33. N.
- Zeigler, Miss Margaret May. M.A., Georgia, 22. Assoc. prof., Univ. Georgia, Athens, Ga. M31F34. IQN.
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- Zeleny, Dr. Charles. M03F05D39. F. *Vice president for Section on Zoological Sciences (F), 1932.*
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- Zimmerman, John.** Library, Univ. Dubuque, Dubuque, Iowa. M08R36. AD.
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Sociedad Cientifica Argentina Library, Buenos Aires. M27.

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Ontario Agric. Col. Field Husbandry Dept., Guelph, Ont. M40  
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Experimental Farms, The Director, Ottawa, Ont. M23R37.  
Dept. Mines and Resources, Dominion Forester, Ottawa, Ont. M35R37.  
Dept. Mines and Resources, Geol. Survey Library, Victoria Memorial Mus.,  
Ottawa, Ont. M22.  
Experimental Farm, Dominion Horticulturist, Ottawa, Ont. M18R35.  
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Univ. Toronto Library, Toronto, Ont. M17.

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Peiping Union Med. Col. Library, Peiping. M22.

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## CZECHOSLOVAKIA

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Wilmington Inst. Free Library, Wilmington. Mo2.

## ENGLAND

Univ. Manchester Library, Manchester. M28.

## FLORIDA

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## HUNGARY

Hungarian Nat. Observatory, Budapest. M28R32.

## ILLINOIS

Chicago Acad. Sciences, Chicago. M22R38.  
Field Mus. Natural History, Chicago. M25.  
Science Digest, Inc., Managing Editor, 631 St. Clair St., Chicago. M37.  
Univ. Chicago Libraries, Chicago. M23.  
Northwestern Univ., Dept. Geology and Geography, Evanston. M24.  
Open Court Publishing Co., La Salle. M22.  
Univ. Illinois Library, Urbana. Mo9R35.

## INDIANA

Indiana State Library, Indianapolis. Mo8.

## IOWA

Iowa State Teachers Col. Library, Cedar Falls. Mo7.  
Public Library, Cedar Rapids. M13.  
Davenport Public Mus., Davenport. M40.  
Univ. Iowa Library, Iowa City. Mo4.

## IRELAND

Trinity Col. Library, Dublin. M25.

## ITALY

Societa Edison, Foro Bonaparte 31, Milan. M27.

## KANSAS

Univ. Kansas Library, Lawrence. M28.  
Kansas State Col., Veterinary Alumni Reading Room, Manhattan. M40.  
Ottawa Univ. Library, Ottawa. M11.

## KENTUCKY

Univ. Kentucky Library, Lexington. M14.  
Eastern Kentucky State Teachers Col. Library, Richmond. M32.

## LOUISIANA

Dillard Univ. Library, New Orleans. M37.  
Howard Memorial Library, New Orleans. Mo4R38.

## MARYLAND

Enoch Pratt Free Library, Baltimore. Mo7.  
Johns Hopkins Science Club, Baltimore. M37.  
Johns Hopkins Univ. Library, Baltimore. M18.

## MASSACHUSETTS

Converse Memorial Library, Amherst Col., Amherst. M25.  
Boston Univ. Col. Liberal Arts Library, Boston. M27.  
Simmons Col. Library, Boston. M28.  
Nantucket Maria Mitchell Assn., Maria Mitchell Observatory, Nantucket. Mo6.  
Mt. Holyoke Col. Library, South Hadley. Mo7.  
Clark Univ. Library, Worcester. M25.

## MICHIGAN

Univ. Michigan Gen. Library, Ann Arbor. M25.  
Detroit Public Library, Detroit. M25.  
Royal Oak Public Library, Royal Oak. M29.  
Michigan State Normal Col. Library, Ypsilanti. Mo9.

## MINNESOTA

Hennepin County Med. Soc., Minneapolis. M31.  
St. Olaf Col. Library, Northfield. Mo2.  
Univ. Minnesota Dept. Agric. Library, Univ. Farm, St. Paul. Mo9.  
J. R. Watkins Co. Chem. Lab., Winona. M27.

## MISSOURI

Univ. Missouri Library, Columbia. M17.  
Univ. Missouri School Mines and Metallurgy Library, Rolla. M27.  
St. Louis Public Library, St. Louis. M12.

## NEBRASKA

Univ. Nebraska Library, Lincoln. Mo2.

## NEW HAMPSHIRE

Hamilton Smith Library, Univ. New Hampshire, Durham. M23.

## NEW JERSEY

Free Public Library, Jersey City. M18.  
Citro Chem. Co., Maywood. M39.  
Princeton Univ. Library, Princeton. M25.

## NEW YORK

New York State Library, Albany. L10.  
Pratt Inst. Free Library, Brooklyn. Mo2.  
E. R. Squibb and Sons Library, Brooklyn. M29.  
Buffalo Public Library, Buffalo. M23.  
Buffalo Soc. Natural Sciences Res. Library, Buffalo. M28.  
E. I. du Pont de Nemours and Co., Rayon Dept., Buffalo. M31R38.

## NEW YORK—CONTINUED

Colgate Univ. Library, Hamilton. M11.  
Queens Borough Public Library, Jamaica. M29.  
Amer. Geographical Soc. Library, New York. Mo6.  
Amer. Mus. Natural History, New York. M26.  
Calhoun School, New York. M29.  
Columbia Univ. Library, New York. M18.  
Fordham Univ. Col. Pharmacy, New York. M40.  
New York Public Library, New York. M18.  
New York Univ. Library, University Heights, New York. Mo8.  
New York Univ. Washington Square Library, New York. M24.  
Reinhold Publishing Corp., Chem. Engng. Catalog, New York. M23.  
Vassar Col. Library, Poughkeepsie. M18  
S. S. White Dental Mfg. Co., Staten Island. M22.

## OHIO

Public Library Cincinnati, Cincinnati. Mo3.  
Cleveland Public Library, Cleveland. M26.  
Ohio State Univ. Library, Columbus. Mo4.  
Albert Emanuel Library, Univ. Dayton, Dayton. M28.  
Col. Wooster Library, Wooster. M29.

## OREGON

Univ. Oregon Library, Eugene. Mo8.

## PENNSYLVANIA

Marble Lab., Inc., Canton. M22R32.  
Lafayette Col. Library, Easton. M18  
Pennsylvania Dept. Agric., Bur. Plant Industry, Harrisburg. Mo4.  
Amer. Philosophical Soc. Library, Philadelphia. M18.  
Drexel Inst. Tech., Philadelphia. M14  
Free Library Philadelphia, Philadelphia. Mo2.  
Carnegie Inst. Tech., Social Relations Dept., Pittsburgh. M40.  
H. J. Heinz Co., Quality Control Dept., Pittsburgh. M19.

## RHODE ISLAND

Brown Univ. Library, Providence. M22.

## SWEDEN

Ingeniorsvetenskapsakademien, Biblioteket, Stockholm. M24.

## TENNESSEE

George Peabody Col. Teachers Library, Nashville. M33.

## TEXAS

West Texas State Teachers Col. Library, Canyon. M33.  
El Paso Library, El Paso. M20.  
Rosenberg Library, Galveston. M38.

## UTAH

Univ. Utah Library, Salt Lake City. M25.

## VENEZUELA

Estacion Experimental de Agricultura y Zootecnia, El Valle. M40.

## VERMONT

Univ. Vermont Library, Burlington. M25.

## VIRGINIA

Virginia Polytechnic Inst. Library, Blacksburg. M24.  
Virginia Military Inst., Dept. Mathematics, Lexington. M31R33.  
Mary Helen Cochran Library, Sweet Briar Col., Sweet Briar. M29.

## WASHINGTON

Adams Branch Exp. Sta. Library, Lind. M39.  
Univ. Washington Library, Seattle. M05.  
Col. Puget Sound Library, Tacoma. M40.

## WISCONSIN

Milwaukee Public Mus., Milwaukee. M17R32.

## WYOMING

Univ. Wyoming Library, Laramie. M29.





**Phoenix, Cont'd.**

Greening, G.K. ... BD  
 Halseth, Odd S. ... HK  
 Hoff, Amos H. ... DB  
 Knight, Alfred ... DHE  
 Palmer, E.F. ... N  
 Phelps, A.L. ... CON  
 Stone, Donald F. ... B  
 Wallingford, V.O. ... D  
 Watkins, W.W. ... N

**Sacaton**

King, Chalmers J. ... GOC  
 Presley, John T. ... GF

**Superior**

Gibson, Frederick ... GO

**Tempe**

Bateman, Geo. M. ... C  
 Irish, F.M. ... C  
 Judd, B. Ira ... OG  
 Skinner, H. Clay ... IQ  
 Wildermuth, V.L. ... F

**Tucson**

Anderson, Ernest ... C  
 Atkinson, Alfred ... O  
 Bennett, Paul H. ... NdK  
 Boldyreff, A.W. ... ACB  
 Brown, J.G. ... GO  
 Bryant, Owen ... FN  
 Buchner, Theo. F. ... CO  
 Burgess, P.S. ... OGC  
 Butler, Bert S. ... E  
 Butler, G.M. ... EM  
 Caldwell, G.T. ... F  
 Canfield, Roy H. ... G  
 Carpenter, E.F. ... DB  
 Cooper, C.K. ... FGM  
 Crooks, D.M. ... GFE  
 Cunningham, J.B. ... MK  
 Darrow, R.A. ... G  
 dela Torre-Bueno, J.R. ... FEC  
 Douglass, A.E. ... DBC  
 Gabel, N.E. ... HKF  
 Gavan, Jas. A. ... H  
 Graesser, R.F. ... A

**Tucson, Cont'd.**

Greene, R.A. ... N  
 Hale, Thomas ... LLI  
 Haury, Emil W. ... HE  
 Hawkins, R.S. ... GO  
 Heineman, R.E.S. ... EMC  
 Hemenway, A.F. ... G  
 Jackson, L.L. ... AQ  
 Keyes, Charles ... E  
 Lawther, M.G. ... HE  
 Leonard, H.B. ... AMO  
 Little, E.L., Jr. ... GF  
 McGeorge, W.T. ... G  
 McGinnies, Wm G. ... GO  
 Mallory, T.D. ... G  
 Martin, W.E. ... O  
 Mathewson, E.P. ... KMQ  
 Mewborn, A.B. ... ABD  
 Miller, Carl F. ... H  
 Monson, Gale ... FG  
 Morrison, R.B. ... EMH  
 Nichols, E.T., III ... HED  
 Nugent, R.L. ... C  
 Ott, Miss Louise ... C

**Tucson, Cont'd.**

Pearson, G.A. ... FGO  
 Schulman, E. ... DGB  
 Shreve, Mrs. E.B. ... GQ  
 Shreve, Forrest ... G  
 Smith, G.E.P. ... M  
 Smith, M.C. ... NCO  
 Stoyanow, A.A. ... E  
 Streets, R.B. ... GO  
 Vinson, A.E. ... CO  
 Vorhies, C.T. ... F  
 Wehrle, L.P. ... F  
 Wyatt, B.L. ... N

**Whiteriver**

Cummings, Byron ... HQ

**Window Rock**

Kimball, S.T. ... HK  
 Phillips, Paul ... F  
 Province, J.H. ... HKO

**ARKANSAS****Batesville**

Lewis, J.F. ... CBA

**Clarksville**

Beach, I.T. ... C  
 Jenness, J.R. ... B  
 Smith, T.L. ... FE

**Conway**

Lawson, Marvin ... OEG  
 Spessard, Earle ... FG  
 Wilton, Christine ... GFC

**Fayetteville**

Batley, Z.C. ... CN  
 Causey, David ... FN  
 Comfort, E.G.H. ... ADB  
 Cooper, J.R. ... GO  
 Dellinger, S.C. ... HF  
 Drake, N.F. ... EMO  
 Dunegan, J.C. ... G

**Fayetteville, Cont'd.**

Gifford, Warren ... O  
 Giles, A.W. ... E  
 Hale, Harrison ... C  
 Ham, Lloyd B. ... BAC  
 Hannah, P.D. ... M  
 Humphrey, L.M. ... OG  
 Miller, Albert ... FO  
 Moore, Dwight M. ... GC  
 Nelson, Martin ... OGE  
 Nielsen, Etta L. ... G  
 Porter, Lyman E. ... C  
 Price, Leonard C. ... MBC  
 Reynolds, H. ... NO  
 Rosen, H.R. ... G  
 Sleight, V.G. ... E  
 Tansey, V.O. ... E  
 Wertheim, E. ... C  
 Young, Vive Hall ... G

**Fort Smith**

Gemmer, E.W. ... GOF

**Hot Springs**

**National Park**  
 Gibbs, M.D. ... Nd  
 Haunz, C.F. ... C  
 Lix, Henry W. ... EFG

**Jonesboro**

Nedrow, Warren ... GF  
 Patty, John R. ... B  
 Showalter, D.F. ... IQ

**Little Rock**

Branner, G.C. ... MBE  
 Gregory, Raymond ... CN  
 Langston, W.C. ... N  
 Larson, John A. ... Q  
 Pape, Miss M.E. ... FG  
 Rau, William M. ... EMF  
 Shukers, C.F. ... NC  
 Skinner, Cyrus A. ... H  
 Snodgrass, L.K. ... Np  
 Wahlin, J.G. ... NG

**Magnolia**

Grubb, Carl F. ... EFD  
 Munn, W.C. ... GFF

**Monticello**

Roberts, L.B. ... CEB

**Mena**

Hawes, Mrs. M.K. ... BA  
 Hawes, Norman E. ... OG

**Pine Bluff**

Hazzard, J.W., Jr. ... FG

**Russellville**

Henbest, O.J. ... EG

**Siloam Springs**

Wills, Irvin A. ... FNG

**State College**

Robey, Ashley ... CN

**Stuttgart**

Adair, C. Roy ... OG

**CALIFORNIA****Alameda**

Degen, Otto W. ... MKL  
 Kaster, H.B. ... B

**Albany**

Blish, M.J. ... CO

**Alcatraz**

McFadden, J.H. ... M

**Alhambra**

Barton, E.W. ... N  
 Boyden, J.R. ... F  
 Campbell, Roy E. ... FG  
 Stone, R.V. ... NCF  
 Whitman, N.D., Jr. ... ME

**Altadena**

Briggs, Mrs. J.E. Jr. ...  
 Camac, C.N.B. ... NL  
 DuMont, J.W.M. ... B  
 James, Harry C. ... FHO  
 Lofstedt, Miss C. ... HK  
 Mundy, Miss E.B. ... QGN  
 Nicholson, Seth B. ... D  
 Peirson, Miss M.B. ...  
 Popenoe, Paul. ... FKI  
 Ramsey, H.J. ... O

**Altadena, Cont'd.**

Richards, G.L., Jr. ... EMC  
 Van Amringe, E.V. ... ECO  
 Wheeler, E.B. ... B

**Anaheim**

Myers, Mabel A. ... EF  
 Wolf, Carl B. ... G

**Angwin**

Hoehn, R.E. ... CEF

**Arcadia**

Ray, David H. ... MBC

**Arcata**

Hunt, V.L. ... Nd

**Bakersfield**

Graham, Miss E. ... GFN  
 Haskell, N.A. ... EB  
 Hill, M.L. ...  
 May, A.R. ... EFM  
 Miller, C.G. ... BCA  
 Thomas, N.L. ... E  
 Woodworth, H.E. ... F

**Balboa Island**

Brackett, F.P. ... DBA

**Bartlett**

Dub, G.D. ... MCE

**Berkeley**

Adams, Frank ... EOK  
 Adams, R.L. ... O  
 Adelson, D.E. ... CB  
 Aitken, R.G. ... DA  
 Aitken, Thomas ... FN  
 Allen, Ruth F. ... G  
 Alsherg, Carl L. ... KCO  
 Arnon, D.I. ... GCO  
 Babcock, E.B. ... GFO  
 Bailey, Edna W. ... OFI  
 Barrett, J.T. ... GO  
 Beck, Sister Mary ...  
 Cleophas ... RCA  
 Bennett, J.P. ... GOC  
 Berkefeld, P.C. ... MP  
 Bernstein, B.A. ... AID  
 Birge, R.T. ... B  
 Blasdale, W.C. ... C  
 Bodman, G.B. ... OBC  
 Boelter, Miss M. ... FFC  
 Bonar, Lee ... G

**Berkeley, Cont'd.**

Bowenman, Miss M.L. ... G  
 Boynton, W.H. ... N  
 Branch, G.E.K. ... C  
 Bray, W.C. ... C  
 Brode, M.D. ... FG  
 Brode, R.B. ... B  
 Brooks, S.C. ... FGN  
 Brown, H.E. ... F  
 Brown, J.G. ... B  
 Brown, Warner ... I  
 Bruman, H.J. ... EII  
 Bryan, Edith S. ... IKN  
 Bryant, M.D. ... FGO  
 Buckingham, F.A. ...  
 Bush, Miss Mildred ... F  
 Byck, Harold T. ... BCM  
 Cameron, D.R. ... G  
 Camp, Chas. L. ... F  
 Campbell, A.S. ... FGN  
 Carlson, A.J. ... MCA  
 Carter, Miss F. ... FN  
 Castle, William E. ... F  
 Chaikoff, I.L. ... N  
 Chaney, R.W. ... EG  
 Cherry, F.H. ... M

## Berkeley, Cont'd.

Clark, B.L. .... EFG  
 Clausen, Roy E. .... GO  
 Cleveland, T.K. .... BCM  
 Cockrell, R.A. .... GCB  
 Conrad, H.S. .... IQK  
 Cooksey, Donald .... B  
 Cooper, W.W. .... KM  
 Corbett, L.J. .... MBD  
 Craig, Roderick .... NCF  
 Crannell, C.W. .... IFH  
 Crawford, R.T. .... DAB  
 Cruess, W.V. .... OCE  
 Daniel, J. Frank .... F  
 Danner, Philip S. .... C  
 Davis, A.R. .... G  
 Davis, K.E. .... M  
 Dore, W.H. .... CG  
 Duschak, L.H. .... MC  
 Eakin, R.M. .... FN  
 Eaton, C.B. .... FO  
 Edmunds, H.M.W. .... BDK  
 Einarsson, Sturla .... D  
 Ellis, Ralph .... FG  
 Ellsworth, J.K. .... OFN  
 Emerson, G.A. .... NC  
 Essig, Edward O. .... F  
 Evans, Griffith C. .... AKB  
 Fisher, Miss E.M. .... FHL  
 Fligelman, Miss F. .... KHI  
 Foster, A.S. .... G  
 Foster, A.L. .... ABD  
 Fox, Sidney W. .... CNT  
 Foxworthy, F.W. .... G  
 Freeborn, S.B. .... F  
 Freitag, J.I. .... FG  
 Frost, Miss F.M. .... N  
 Fuller, L.F. .... MBO  
 Garber, Miss Lida J. .... EG  
 Gardner, Max W. .... G  
 Gericke, W.F. .... OGO  
 Gicelli, E.E. .... I  
 Gifford, E.W. .... H  
 Givens, J.W. .... CB  
 Goldschmidt, R. .... F  
 Goodspeed, T.H. .... G  
 Gray, Harold F. .... MN  
 Greenberg, D.M. .... CN  
 Haley, George .... FE  
 Hall, E. Raymond .... FE  
 Hall, Ralph C. .... OFG  
 Hansen, H.N. .... OFG  
 Haring, C.M. .... NO  
 Hase, A.A. .... OFG  
 Herms, W.F. .... F  
 Hersam, E.A. .... CO  
 Hibbard, P.L. .... CO  
 Hildebrand, Joel H. .... GO  
 Hill, Cary LeRoy .... GO  
 Hoagland, D.R. .... GOC  
 Hohl, L.A. .... GOC  
 Holmes, Benjamin .... C  
 Holmes, Jerome K. .... C  
 Holmes, S.J. .... F  
 Horn, E.E. .... FCN  
 Hoskins, W.M. .... CFN  
 Hulcin, C.D. .... E  
 Hutchison, C.B. .... GO  
 Hyde, T.R. .... B  
 Jacobus, L.R. .... NTK  
 Jenkins, J.A. .... FG  
 Jenny, Hans .... G  
 Jepson, Willis L. .... G  
 Jones, H.E. .... IQ  
 Joslyn, M.A. .... I  
 Katzin, Leonard I. .... FNG  
 Kelley, T.F. .... FN  
 Kelley, W.P. .... CO  
 Kester, E.B. .... CM  
 Keys, Noel .... QI  
 Kirby, Harold, Jr. .... F  
 Kirk, Paul L. .... CNF

## Berkeley, Cont'd.

Kittredge, J. Jr. .... OG  
 Kodani, Masuo .... F  
 Koford, C.A. .... FLN  
 Kotok, E.I. .... O  
 Kraebel, C.J. .... GOM  
 Kroeber, A.L. .... H  
 Krueger, A.P. .... N  
 Kunsman, C.H. .... BCA  
 Kyte, George C. .... Q  
 Lachman, Arthur .... F  
 Lamiman, John F. .... F  
 Langille, H.B. .... M  
 Lapham, M.H. .... EOG  
 Latimer, W.M. .... CB  
 Laton, Anita D. .... QI  
 Lawrence, E.O. .... B  
 Lawrence, J.H. .... N  
 Lawson, A.C. .... E  
 Lazar, Arthur .... CNM  
 Legge, Robert T. .... N  
 Leighly, John B. .... E  
 Lerner, I. Michael .... F  
 Leuschner, A.O. .... DAB  
 Lewis, G.N. .... BC  
 Li, Choh-Hao .... CNB  
 Light, S.F. .... F  
 Lightbody, H.D. .... CN  
 Lineweaver, H. .... CON  
 Linsley, E.G. .... FO  
 Lipman, C.B. .... CEG  
 Loeb, E.M. .... HK  
 Loeb, L.B. .... B  
 Long, J.A. .... F  
 Long, Miss M.E. .... F  
 Loundback, Geo. D. .... E  
 Lovett, Hobart M. .... D  
 Lowie, Robert H. .... II  
 Lucia, E.L. .... N  
 Luten, D.B., Jr. .... CFE  
 McCown, T.D. .... II  
 Macfarlane, J.W. .... I  
 McGowan, D.C. .... CBO  
 Mackay, D.S. .... KLO  
 Mackie, W.W. .... O  
 Mackinney, G. .... G  
 Manning, P.D.V. .... CM  
 Marshak, Alfred FGN  
 Marshall, L.C. .... BMO  
 Martin, J.C. .... CG  
 Marx, Walter .... C  
 Mathias, Miss M.E. .... G  
 Mendonca, A.H. .... CO  
 Meyer, Wm. F. .... DB  
 Michelbacher, A.E. .... GO  
 Miller, A.H. .... F  
 Miller, John M. .... F  
 Minor, R.S. .... NO  
 Mitchell, James F. .... B  
 Montemoso, J. C. .... GCO  
 Moody, Mrs. A.C. .... FHK  
 Moody, R.O. .... NFO  
 Morgan, Mrs. A.F. .... CN  
 Morgan, W.S. .... IQK  
 Morris, B.J. .... KOI  
 Mowbray, A.H. .... KA  
 Mulford, Walter .... O  
 Nachtrieb, H.F. .... F  
 Noble, C.A. .... A  
 Nutter, E.H. .... MEO  
 Offord, H.R. .... FG  
 Ogden, Eric .... N  
 Okey, Miss Ruth .... N  
 Olmsted, J.M.D. .... FN  
 Olson, A.R. .... CB  
 Olson, Ronald L. .... B  
 Page, Lorraine .... B  
 Perry, Miss E.P. .... OEC  
 Pettitt, George A. .... H  
 Pomeroy, W.C. .... BMC  
 Putnam, T.M. .... A  
 Quick, C.R. .... GC  
 Raber, B.F. .... MBC  
 Randall, Merle .... CB

## Berkeley, Cont'd.

Rawlins, T.E. .... G  
 Ray, Robert D. .... Ndf  
 Reed, H.S. .... G  
 Reukema, Lester E. .... M  
 Ritter, W.E. .... FOI  
 Rollefson, G.K. .... CB  
 Ruben, Samuel .... CBG  
 Sampson, A.W. .... G  
 Schiff, L.I. .... B  
 Schoonover, W.R. .... OGC  
 Scott, C. Emilen .... G  
 Seaborg, Glenn T. .... CB  
 Seidenspinner, E. .... CGO  
 Setchell, W.A. .... G  
 Shane, C.D. .... DBA  
 Sheldon, Mrs. F.M. .... DEF  
 Shock, N.W. .... INC  
 Smith, Miss M. .... NF  
 Smith, Miss N. .... EFG  
 Smith, R.E. .... G  
 Smyth, W.H. .... G  
 Snyder, W.C. .... OGC  
 Stebbins, L.W. .... K  
 Stilwell, W.H. .... D  
 Stockwell, Palmer GE  
 Stoddard, K.B. .... BN  
 Strait, L.A. .... BA  
 Talbot, M.W. .... GOF  
 Taylor, Lewis W. .... FG  
 Test, Frederick H. .... FG  
 Thomas, H.E. .... G  
 Thomas, Harold E. .... G  
 Thompson, C.G. .... BM  
 Tolman, E.C. .... IHF  
 Tompkins, P.T. .... ABC  
 Torrey, H.B. .... FNI  
 Tufts, James H. .... I  
 Tufts, M.C. .... QI  
 Ulrich, Albert .... OGC  
 Van Atta, G.R. .... CPM  
 Van Dyke, E.C. .... F  
 Villee, Claude, Jr. .... FNI  
 Vlamis, James .... GOF  
 Wallace, A.M. .... GOF  
 Walsh, O.S. .... GOF  
 Wampler, J.C. .... HLE  
 Warren, Jean .... KO  
 Weber, Adolph H. .... CB  
 Weinberg, Fred .... B  
 Weir, Walter W. .... MO  
 Wernecke, L. .... EM  
 Williams, A.R. .... EM  
 Wissner, Edward H. .... EM  
 Wong, Bing Chin .... A  
 Woods, B.M. .... MBA  
 Woodworth, C.W. .... F  
 Yarwood, Cecil .... G  
 Zuckerman, H.G. .... OG

**Beverly Hills**  
 Collins, D.C. .... NFH  
 Detrick, L.E. .... NC  
 Holter, N.J. .... BCI  
 Prout, J.W., Jr. .... AEM  
 Trieb, Carl F. .... IQ

**Bodega**  
 Laton, Burie C. .... BAC

**Burbank**  
 Harsh, S.A. .... DBC

**Burlingame**  
 Crocker, Mrs. W.H. ....  
 Davies, N.A. .... MCP  
 Pomeroy, G.A. .... B  
 Smyth, F.S. .... N  
 Ulrich, P.P. .... EMB  
 Wilson, C.W. .... F

**Camarillo**  
 Allen, Miss E.C. .... NFC

## Carlsbad

Rayner, E.A. .... IFH

**Carmel**  
 Burnett, T.C. .... N  
 Haasis, F.W. .... GOE  
 Kellogg, L.O. .... ME  
 Lachmund, H.G. .... G  
 Lloyd, F.E. .... G  
 MacDougal, D.T. .... G

**Chico**  
 Benedict, H.C. .... CN  
 Holt, Miss Vesta .... F  
 Iloff, Philip M. .... AB  
 Meigs, P. III .... EHK

**Claremont**  
 Dart, Mrs D.C. .... F  
 Durward, Arthur .... B  
 Ellis, R.S. .... IO  
 Eyre, Miss M.B. .... IHN  
 Hilton, William A. .... F  
 Howell, David H. .... EHD  
 Hunter, G.W. .... QNF  
 Kennard, T.G. .... CBE  
 Kirk, William .... KHI  
 Leighton, W.G. .... CBO  
 Mason, Molly .... I  
 Munz, Philip A. .... G  
 Pattee, H.H. .... IQN  
 Robinson, Chas. J. .... C  
 Ross, Luther S. .... F  
 Smith, Isabel F. .... E  
 Stoughton, A.V. .... N  
 Tileston, R.R. .... BDA  
 Woodford, A.O. .... E  
 Young, Anne E. .... D

**Coalinga**  
 Cox, J. Emit .... IG  
 Smith, Miss E.L. .... BHK

**Colfax**  
 Peers, R.A. .... N

**Colton**  
 Rich, Miss M.E. .... K

**Compton**  
 Oakeshott, G.B. .... E

**Corona**  
 Bryant, E.F. .... CEN  
 Burman, O.K. .... CE  
 Joseph, G.H. .... CO  
 Newcomb, D.A. .... OCG  
 Wilson, C.W. .... CMP

**Coronado**  
 Crosby, W.W. .... MQI  
 Wood, C.A. .... N  
 Wright, J.C. .... M

**Culver City**  
 Aillard, R.P. .... C  
 Holman, W.H. .... E

**Daly City**  
 Farbar, Leonard MCB

**Davis**  
 Amerine, M.A. .... GO  
 Asmundson, V.S. .... OF  
 Bransford, J.S. .... OG  
 Briggs, Fred N. .... GO  
 Brooks, F.A. .... M  
 Cameron, Hugh S. .... N  
 Cole, H.H. .... NOF  
 Crafts, Alden S. .... GO  
 Davey, A.E. .... G  
 Day, Leonard H. .... GOF  
 Dietrich, W.C. .... CBI  
 Emilen, John T., Jr. .... F

**Phoenix, Cont'd.**

Greening, G. K. .... BD  
 Halseth, Odd S. .... HK  
 Hoff, Amos H. .... DB  
 Knight, Alfred .... DHE  
 Palmer, E. P. .... N  
 Phelps, A. L. .... CQN  
 Stone, Donald F. .... B  
 Wallingford, V. O. .... D  
 Watkins, W. W. .... N

**Sacaton**

King, Chalmers J. .... GOC  
 Presley, John T. .... GF

**Superior**

Gibson, Frederick GO

**Tempe**

Bateman, Geo. M. .... C  
 Irish, F. M. .... QO  
 Judd, B. Ira .... OG  
 Skinner, H. Clay .... IO  
 Wildermuth, V. L. .... F

**Tucson**

Anderson, Ernest . C  
 Atkinson, Alfred . O  
 Bennett, Paul H. . NdK  
 Boldyreff, A. W. . ACB  
 Brown, J. G. .... GO  
 Bryant, Owen . FN  
 Buehrer, Theo. F. . CO  
 Burgess, P. S. .... OGC  
 Butler, Bert S. .... E  
 Butler, G. M. .... EM  
 Caldwell, G. T. .... F  
 Canfield, Roy H. .... G  
 Carpenter, E. F. .... DB  
 Cooperrider, C. K. FGM  
 Crooks, D. M. .... GFE  
 Cunningham, J. B. MK  
 Darrow, R. A. .... G  
 dela Torre-Bueno, J. R. FEC  
 Douglass, A. E. .... DBG  
 Gabel, N. E. .... HKF  
 Gavan, Jas. A. .... H  
 Graesser, R. F. .... A

**Tucson, Cont'd.**

Greene, R. A. .... N  
 Hale, Thomas .... LH  
 Haurry, Emil W. .... HE  
 Hawkins, R. S. .... GO  
 Heineman, R. E. S. EMC  
 Hemenway, A. F. .... G  
 Jackson, L. L. .... AQ  
 Keyes, Charles .... E  
 Lawther, M. G. .... HE  
 Leonard, H. B. .... AMO  
 Little, E. L., Jr. .... GF  
 McGeorge, W. T. .... G  
 McGinnies, Wm. G. GO  
 Mallery, T. D. .... G  
 Martin, W. E. .... O  
 Mathewson, E. P. KMO  
 Mewborn, A. B. .... ABD  
 Miller, Carl F. .... H  
 Monson, Gale . .... FG  
 Morrison, R. B. .... EMH  
 Nichols, E. T., III HED  
 Nugent, R. L. .... C  
 Otis, Miss Louise .... C

**Tucson, Cont'd**

Pearson, G. A. .... FGO  
 Schulman, E. .... DGB  
 Shreve, Mis. E. B. .... GQ  
 Shreve, Forrest .... G  
 Smith, G. E. P. .... M  
 Smith, M. C. .... NCO  
 Stoyanow, A. A. .... E  
 Streets, R. B. .... GO  
 Vinson, A. E. .... CO  
 Vorhies, C. T. .... F  
 Wehle, L. P. .... F  
 Wyatt, B. L. .... N

**Whiteriver**

Cummings, Byron HQ

**Window Rock**

Kimball, T. .... HK  
 Phillips, Paul .... F  
 Provinse, J. H. .... IFO

**ARKANSAS****Batesville**

Lewis, J. F. .... CBA

**Clarksville**

Beach, I. T. .... C  
 Jenness, J. R. .... B  
 Smith, T. L. .... FE

**Conway**

Lawson, Marvin .OEG  
 Spessard, Earle . FG  
 Wilton, Christine GFC

**Fayetteville**

Batley, Z. C. .... CN  
 Causey, David .... FN  
 Comfort, E. G. H. ADB  
 Cooper, J. R. .... GO  
 Dellinger, S. C. .... HF  
 Drake, N. F. .... EMO  
 Dunegan, J. C. .... G

**Fayetteville, Cont'd.**

Gifford, Warren .... O  
 Giles, A. W. .... E  
 Hale, Harrison . C  
 Ham, Lloyd B. .... BAC  
 Hannah, P. D. .... M  
 Humphrey, L. M. .... OG  
 Miller, Albert .... FO  
 Moore, Dwight M. GC  
 Nelson, Martin .OGE  
 Nielsen, Ethel L. .... G  
 Porter, Lyman E. .... C  
 Price, Leonard C. MBC  
 Reynolds, H. .... CNO  
 Rosen, H. R. .... G  
 Sleight, V. G. .... E  
 Tansey, V. O. .... E  
 Wertheim, E. .... C  
 Young, Vive Hall .... G

**Fort Smith**

Genmer, E. W. .... GOF

**Hot Springs****National Park**

Gibbs, M. D. .... Nd  
 Haunz, C. F. .... C  
 Lix, Henry W. .... EFG

**Jonesboro**

Nedlow, Warren .GF  
 Patty, John R. .... B  
 Showalter, D. F. .... IO

**Little Rock**

Branner, G. C. .... MBE  
 Gregory, Raymond CN  
 Langston, W. C. .... N  
 Larson, John A. .... O  
 Pape, Miss M. E. .... FG  
 Rau, William M. EMP  
 Shukers, C. F. .... NC  
 Skinner, Cyrus A. .... H  
 Snodgrass, L. K. .... Np  
 Wahlin, J. G. .... NG

**Magnolia**

Grubb, Carl F. .... EFD  
 Munn, W. C. .... GF

**Monticello**

Roberts, L. B. .... CEB

**Mena**

Hawes, Mrs. M. K. BA  
 Hawes, Norman E. OG

**Pine Bluff**

Hazzard, J. W., Jr. FG

**Russellville**

Henbest, O. J. .... EG

**Siloam Springs**

Wills, Irvin A. .... PNG

**State College**

Robey, Ashley .... CN

**Stuttgart**

Adair, C. Roy .... OG

**CALIFORNIA****Alameda**

Degen, Otto W. .... MKL  
 Kaster, H. B. .... B

**Albany**

Blish, M. J. .... CO

**Alcatraz**

McFadden, J. H. .... M

**Alhambra**

Barton, E. W. .... N  
 Boyden, J. R. .... F  
 Campbell, Roy E. FG  
 Stone, R. V. .... NCF  
 Whitman, N. D., Jr. ME

**Altadena**

Briggs, Mrs. J. E. Jr. ....  
 Camac, C. N. B. .... NL  
 DuMont, J. W. M. .... B  
 James, Harry C. .... FHO  
 Lofstedt, Miss C. HK  
 Mundy, Miss E. B. QGN  
 Nicholson, Seth B. .... D  
 Peirson, Miss M. B. ....  
 Popenoe, Paul. .... FKI  
 Ramsey, H. J. .... O

**Altadena, Cont'd.**

Richards, G. L., Jr. .... EMC  
 VanAmringe, E. V. .... ECO  
 Wheeler, E. B. .... B

**Anaheim**

Myers, Mabel A. .... EF  
 Wolf, Carl B. .... G

**Angwin**

Hoen, R. E. .... CEF

**Arcadia**

Ray, David H. .... MBC

**Arcata**

Hunt, V. L. .... Nd

**Bakersfield**

Graham, Miss E. GFN  
 Haskell, N. A. .... EB  
 Hill, M. L. .... E  
 May, A. R. .... EFM  
 Miller, C. G. .... BCA  
 Thomas, N. L. .... E  
 Woodworth, H. E. .... F

**Balboa Island**

Brackett, F. P. .... DBA

**Bartlett**

Dub, G. D. .... MCE

**Berkeley**

Adams, Frank .... EOK  
 Adams, R. L. .... O  
 Adelson, D. E. .... CB  
 Aitken, R. G. .... DA  
 Aitken, Thomas .... FN  
 Allen, Ruth F. .... G  
 Alsberg, Carl L. .... KCO  
 Aron, D. J. .... GCO  
 Balcock, E. B. .... GFO  
 Bailey, Edna W. .... QFI  
 Barrett, J. T. .... GO  
 Beck, Sister Mary  
 Cleophas .... BCA  
 Bennett, J. P. .... GOC  
 Berkefeld, P. C. .... MP  
 Bernstein, B. A. .... AID  
 Birge, R. T. .... B  
 Blasdale, W. C. .... B  
 Bodman, G. B. .... OBC  
 Boelter, Miss M. .... PC  
 Bonar, Lee .... G

**Berkeley, Cont'd.**

Bowerman, Miss M. L. .... G  
 Boynton, W. H. .... N  
 Branch, G. E. K. .... C  
 Bray, W. C. .... C  
 Brode, M. D. .... FG  
 Brode, R. B. .... B  
 Brooks, S. G. .... FGN  
 Brown, H. E. .... F  
 Brown, J. G. .... B  
 Brown, Warner .... E  
 Bruman, H. J. .... EH  
 Bryan, Edith S. .... IKN  
 Bryant, M. D. .... PQQ  
 Buckingham, F. A. .... KMP  
 Bush, Miss Mildred . F  
 Byck, Harold T. .... BCM  
 Cameron, D. R. .... G  
 Camp, Chas. L. .... F  
 Campbell, A. S. .... FGN  
 Carlson, A. J. .... MCA  
 Carter, Miss F. .... FN  
 Castle, William E. .... F  
 Chaikoff, L. L. .... N  
 Chaney, R. W. .... EG  
 Cherry, F. H. .... M

## Berkeley, Cont'd.

Clark, B.L. ....EFG  
Clausen, Roy E. ....GO  
Cleveland, T.K. ....BCM  
Cockrell, R.A. ....GCB  
Conrad, I.S. ....IQK  
Cooksy, Donald ....B  
Cooper, W.W. ....KM  
Corbett, L.J. ....MBD  
Craig, Koderick ....NCF  
Crannell, C.W. ....IFH  
Crawford, R.T. ....DAB  
Cruss, W.V. ....OCE  
Daniel, J. Frank ....F  
Danner, Philip S. ....C  
Davis, A.R. ....G  
Davis, R.E. ....M  
Dore, W.H. ....CG  
Duschak, L.I. ....MC  
Eakin, R.M. ....FN  
Eaton, C.B. ....FO  
Edmonds, H.M.W. ....BDK

Einarsson, Sturla ....D  
Ellis, Ralph ....FG  
Ellsworth, J.K. ....OFN  
Emerson, G.A. ....NC  
Essig, Edward O. ....F  
Evans, Griffith C. AKB  
Fisher, Miss E.M. FHL  
Fligelman, Miss F. ....KHI

Foster, A.S. ....G  
Foster, A.L. ....ABD  
Fox, Sidney W. ....CNI  
Foxworthy, F.W. ....G  
Freiborn, S.B. ....F  
Freitag, J.H. ....FG  
Frost, Miss F.M. ....N  
Fuller, L.F. ....MBQ  
Garber, Miss Lida J. EG  
Gardner, Max W. ....G  
Gerick, W.F. ....CGO  
Ghiselli, E.E. ....I  
Gifford, E.W. ....H  
Givens, J.W. ....CB  
Goldschmidt, R. ....F  
Goodspeed, T.H. ....G  
Gray, Harold F. ....MN  
Greenberg, D.M. ....CN  
Haley, George ....G  
Hall, E. Raymond ....FE  
Hall, Ralph C. ....OPG  
Hansen, H.N. ....OGF  
Haring, C.M. ....NO  
Hazel, A.A. ....OFG  
Hermes, W.F. ....F  
Hersam, E.A. ....B  
Hibbard, P.L. ....CO  
Hildebrand, Joel H. ....GO  
Hill, Cary LeRoy ....GO  
Hoagland, D.R. ....GOC  
Hohl, L.A. ....GO  
Holmes, Benjamin ....C  
Holmes, Jerome K. ....C  
Holmes, S.J. ....F  
Horn, E.E. ....FCN  
Hoskins, W.M. ....CFN  
Hulst, C.D. ....E  
Hutchison, C.B. ....GO  
Hlyde, T.R. ....B  
Jacobs, L.R. ....NIK  
Jenkins, J.A. ....FG  
Jenny, Hans ....G  
Jepson, Willis L. ....G  
Jones, H.E. ....IQ  
Joslyn, M.A. ....A  
Katzin, Leonard I. FNG  
Kelley, T.F. ....FN  
Kelley, W.P. ....CO  
Kester, E.B. ....CM  
Keys, Noel ....Q  
Kirby, Harold, Jr. ....F  
Kirk, Paul L. ....CNF

## Berkeley, Cont'd.

Kittredge, J.Jr. ....OG  
Kodani, Masuo ....F  
Koford, C.A. ....FLN  
Kotok, E.I. ....O  
Kraebel, C.J. ....GOM  
Kroeber, A.L. ....H  
Kruerger, A.P. ....N  
Kunsmann, C.H. ....BCA  
Kyte, George C. ....Q  
Lachman, Arthur ....C  
Lamiman, John F. ....F  
Langille, H.B. ....M  
Lapham, M.H. ....EOG  
Latimer, W.M. ....CB  
Laton, Anita D. ....QI  
Lawrence, E.O. ....B  
Lawrence, J.H. ....N  
Lawson, A.C. ....E  
Lazar, Arthur ....CNM  
Legge, Robert T. ....N  
Leighly, John B. ....E  
Lerner, I. Michael ....F  
Leuschner, A.O. ....DAB  
Lewis, G.N. ....BC  
Li, Choh-Hao ....CNB  
Light, S.F. ....F  
Lightbody, H.D. ....CN  
Lineweaver, H. ....CON  
Linsley, E.G. ....FO  
Lipman, C.B. ....CEG  
Loeb, E.M. ....HK  
Loeb, L.A. ....B  
Long, J.A. ....F  
Long, Miss M.E. ....F  
Loudenback, Geo. D. E  
Lovett, Hobart M. ....D  
Lowie, Robert H. ....II  
Lucia, E.L. ....N  
Luten, D.B. Jr. ....CFE  
McCown, T.D. ....H  
Macfarlane, J.W. ....I  
McGowan, D.C. ....CBO  
Mackay, D.S. ....KLO  
Mackie, W.W. ....O  
Mackinney, G. ....G  
Manning, P.D.V. ....CM  
Marshall, Alfred FGN  
Marshall, L.C. ....BMO  
Martin, J.C. ....CG  
Marx, Walter ....G  
Mathias, Miss M.E. ....G  
Mendonca, A.H. ....CO  
Meyer, Wm. F. ....DB  
Michelbacher, A.E. GO  
Miller, A.H. ....F  
Miller, John M. ....F  
Minor, R.S. ....B  
Mitchell, James F. ....NO  
Montermoso, J. C. GCO  
Moody, Mrs. A.C. FHK  
Moody, R.O. ....NFO  
Morgan, Mrs. A.F. CN  
Morgan, W.S. ....IQK  
Morris, B.J. ....KOI  
Mowbray, A.H. ....KA  
Mulford, Walter ....O  
Nachtrieb, H.F. ....F  
Noble, C.A. ....A  
Nutter, E.H. ....MEO  
Oford, H.R. ....FG  
Ogden, Eric ....N  
Okey, Miss Ruth ....N  
Olmsted, J.M.D. ....FN  
Olson, A.R. ....CB  
Olson, Ronald L. ....B  
Page, Larrance. ....B  
Perry, Miss E.P. ....OEC  
Pettitt, George A. ....H  
Pomeroy, W.C. ....BMC  
Putnam, T.M. ....A  
Quick, C.R. ....GC  
Raber, B.F. ....MBC  
Randall, Merle ....CB

## Berkeley, Cont'd.

Rawlins, T.E. ....G  
Ray, Robert D. ....NdF  
Reed, H.S. ....G  
Reukema, Lester E. M  
Ritter, W.E. ....FOI  
Rolfesson, G.K. ....CB  
Ruben, Samuel ....CBG  
Sampson, A.W. ....G  
Schiff, L.I. ....B  
Schoonover, W.R. OGC  
Scott, C. Emilen ....G  
Seaborg, Glenn T. ....CB  
Seidenspinner, E. CGO  
Setchell, W.A. ....G  
Shane, C.D. ....DBA  
Sheldon, Mrs. F.M. ....DEF

Shock, N.W. ....INC  
Smith, Miss M. ....NF  
Smith, Miss N. ....EFG  
Smith, R.E. ....G  
Smyth, W.H. ....G  
Snyder, W.C. ....OGC  
Stebbins, L.W. ....K  
Stilwell, W.H. ....D  
Stockwell, Palmer GE  
Stoddard, K.B. ....BN  
Strait, L.A. ....BA  
Talbot, M.W. ....GOF  
Taylor, Lewis W. ....OF  
Test, Frederick H. ....FG  
Thomas, H.E. ....G  
Thomas, Harold E. ....G  
Thompson, C.G. ....BM  
Tolman, E.C. ....IHF  
Tompkins, P.T. ....ABC  
Torrey, H.B. ....FNI  
Tufts, James H. ....I  
Tufts, M.C. ....QI  
Ulrich, Albert ....OGC  
Van Atta, G.R. ....CPM  
Van Dyke, E.C. ....F  
Villeg, Claude, Jr. FNI  
Vlamis, James ....G  
Wallace, A.M. ....GOF  
Walsh, O.S. ....GOF  
Wampler, J.C. ....HLE  
Warren, Jean ....KO  
Weber, Adolph H. CEG  
Weinberg, Fred ....CB  
Weir, Walter W. ....MO  
Wernecke, L. ....EM  
Williams, A.R. ....A  
Wisser, Edward H. EM  
Wong, Bing Chin ....A  
Woods, B.M. ....MBA  
Woodworth, C.W. ....F  
Yarwood, Cecil ....G  
Zuckerman, H.G. ....OG

## Beverly Hills

Collins, D.C. ....NFH  
Detrick, L.E. ....NC  
Holter, N.J. ....BCI  
Prout, J.W., Jr. ....AEM  
Trieb, Carl F. ....IQ

## Bodega

Laton, Burle C. ....BAC

## Burbank

Harsh, S.A. ....DBC

## Burlingame

Crocker, Mrs. W.H. ....  
Davies, N.A. ....MCP  
Pomeroy, G.A. ....B  
Smyth, F.S. ....N  
Ulrich, F.P. ....EMB  
Wilson, C.W. ....F

## Camarillo

Allen, Miss E.C. ....NFC

## Carlsbad

Rayner, E.A. ....IFH

## Carmel

Burnett, T.C. ....N  
Haasis, F.W. ....GOE  
Kellogg, L.O. ....ME  
Lachmund, H.G. ....G  
Lloyd, F.E. ....G  
MacDougal, D.T. ....G

## Chico

Benedict, H.C. ....CN  
Holt, Miss Vesta ....F  
Iloff, Philip M. ....AB  
Meigs, P. III ....EHK

## Claremont

Dart, Mrs. D.C. ....F  
Durward, Arthur ....B  
Ellis, R.S. ....IQ  
Eyre, Miss M.B. ....IHN  
Hilton, William A. ....F  
Howell, David H. EHD  
Hunter, G.W. ....QNF  
Kennard, T.G. ....CBE  
Kirk, William ....KHI  
Leighton, W.G. ....CBO  
Mason, Molly ....I  
Munz, Philip A. ....G  
Pattee, H.H. ....IQN  
Robinson, Chas. J. ....C  
Ross, Luther S. ....F  
Smith, Isabel F. ....E  
Stoughton, A.V. ....N  
Tilston, R.R. ....BDA  
Woodford, A.O. ....E  
Young, Anne E. ....D

## Coalinga

Cox, J. Emit ....IG  
Smith, Miss E.L. ....BHK

## Colfax

Peers, R.A. ....N

## Colton

Rich, Miss M.E. ....K

## Compton

Oakeshott, G.B. ....E

## Corona

Bryant, E.F. ....CEN  
Burman, O.K. ....CE  
Joseph, G.H. ....CO  
Newcomb, D.A. ....OCG  
Wilson, C.W. ....CMP

## Coronado

Crosby, W.W. ....MQI  
Wood, C.A. ....N  
Wright, J.C. ....M

## Culver City

Allard, R.P. ....C  
Holman, W.H. ....E

## Daly City

Farbar, Leonard MCB

## Davis

Amerine, M.A. ....GO  
Asmundson, V.S. ....OF  
Bransford, J.S. ....OG  
Briggs, Fred N. ....GO  
Brooks, F.A. ....M  
Cameron, Hugh S. ....N  
Cole, H.H. ....NOF  
Crafts, Alden S. ....GO  
Davey, A.E. ....G  
Day, Leonard H. ....GOF  
Dietrich, W.C. ....CBI  
Emilen, John T., Jr. ....F

## Davis, Cont'd.

Esau, Miss K. .... GO  
 Gilmore, J.W. .... OG  
 Gordon, H.S. .... MBA  
 Gregory, P.W. .... F  
 Hanna, Gordic ..... O  
 Hart, G.H. .... NO  
 Hendry, G.W. .... OLG  
 Hinshaw, W.R. .... NOC  
 Howard, W.L. .... O  
 Hughes, E.H. .... CFN  
 Jack, E.L. .... CO  
 Kendrick, J.B. .... G  
 Kleiber, Max .... NO  
 Knott, James E. .... OG  
 Leach, Lysle D. .... G  
 MacGillivray, J.H. .... OG  
 Mead, Albert R. .... FGH  
 Pendleton, Ray A. .... O  
 Proebsting, E.L. .... GO  
 Roadhouse, C.L. .... G  
 Robbins, W.W. .... G  
 Roessler, E.B. .... ABM  
 Rosenberg, L.E. .... FNC  
 Ryerson, K.A. .... OGE  
 Smith, Alfred .... OEB  
 Stanford, E.H. .... OG  
 Stewart, M.A. .... F  
 Stocking, C.R. .... GOC  
 Storer, Tracy I. .... F  
 Tufts, W.P. .... OGC  
 Usinger, R.L. .... FO  
 Veihmeyer, F.J. .... GO  
 Walker, H.B. .... MO  
 Winkler, A.J. .... GO

## Del Mar

Pierce, N.H. .... N  
 Worthington, J.H. .... D

## Eagle Rock

Eckerman, A.C. .... IN

## El Monte

Fandler, Mrs D.G. .... QKL

## El Segundo

Miller, Otto N. .... CMI  
 Rehuss, C.W. .... MCE

## Emeryville

LaFrance, D.S. .... CPN  
 Williams, E.C. .... CBM

## Encanto

Selby, H.H. .... CAN

## Escondido

Meyer, Mrs. C.V. .... G

## Eureka

Chain, John N. .... FN  
 Gillespie, D.K. .... GED  
 Tracy, Joseph P. .... G

## Exeter

Whitney, D.J. .... EFG

## Fallen Leaf

Swartz, Herman F. .... KQ

## Fontana

Hasbrouck, P.B. .... MEI

## Fort Bragg

Bowman, P.J. .... N

## Fresno

Ballard, W.S. .... GCO  
 DuBois, Robert .... C  
 Graves, Geo. W. .... GOK  
 Morris, Frank R. .... AMD  
 Pentzer, W.T. .... OGC

## Fresno, Cont'd.

Piston, Donald S. .... BE  
 Shaw, W.T. .... F  
 Simmons, Perez .... F  
 Smith, F.F. .... OIK  
 Snyder, Elmer .... GO  
 Tucker, W.M. .... ECH  
 Twining, F.E. .... M  
 Warner, A.O. .... KL

## Gardena

Holtom, H.T. .... MB

## Glendale

Chaney, A.L. .... CN  
 Coddington, H.W. .... N  
 Driver, Herschell. E  
 Gillan, Silas L. .... EMC  
 Gorton, A.F. .... BDM  
 Graber, P.E. .... ABC  
 Hosick, Mrs. E.O. .... GE  
 Kew, Wm S.W. .... E  
 Lawson, H.C. .... N  
 Manifold, R.G. .... ABC  
 Morrill, A.W. .... F  
 Mulders, G.F.W. .... DAB  
 Mumford, R.W. .... CEM  
 Nichols, Mrs J.S. .... BC  
 Steinebrey, F.J., Jr. .... CBM

## Glendora

Ellis, James H. .... BC  
 Wood, C.H. .... N

## Grass Valley

Farmin, Rollin .... EM  
 Klipphahn, E.O.E. .... M

## Gustine

Harrower, J.R. .... CO

## Hamilton City

Mills, James, Jr. .... OMF

## Hawthorne

Pettit, Jack O. .... IHK

## Healdsburg

Durst, Fred M. .... QEO

## Hermosa Beach

Zerga, J.E. .... IQN

## Hollister

Harris, H.W. .... OGF

## Hollywood

Fisher, S.C. .... IHF  
 McFarlane, M.D. .... M  
 Manning, Mrs. J.F. .... QKH

Payne, H.M. .... M  
 Twiss, W.C. .... GN

## Indio

Aldrich, W.W. .... OG  
 Nixon, Roy W. .... OG  
 Rygg, G.L. .... GO  
 Swingle, Leonhardt O

## Ingleswood

Geiger, Ernest .... Np

## Kenwood

Sessions, R.F. .... CBA

## Knights Landing

Dixon, Harry S. .... MQB

## La Canada

Hiatt, Glenn H. .... CGN

## La Crescenta

Davidson, J.G. .... BQ

## Lafayette

Endersby, V.A. .... M

## Laguna Beach

Miller, Spencer .... M

## La Jolla

Allen, W.E. .... FG  
 Fox, D.L. .... CFN  
 Goebel, G.W. .... M  
 Johnson, M.W. .... F  
 McEwen, G.F. .... AB  
 MacKay, Eaton M. .... N  
 Moberg, Erik G. .... C  
 Revelle, Roger .... E  
 Shepard, Francis P. .... E  
 Stockton, J. Leroy .... I  
 Sumner, F.B. .... F  
 Sverdrup, H.U. .... B  
 Whedon, W. Forest .... F  
 Whitaker, T.W. .... O  
 Young, R.T. .... C  
 ZoBell, Claude E. .... NCG

## La Mesa

Waltman, W.D. .... EML

## Laton

Brinkmeier, J.H. .... L

## Lewiston

Smith, Miss M.E. .... PKI

## Livermore

Blum, M.E. .... DAB  
 Mack, C.W. .... NI

## Lodi

Rinde, C.A. .... BMI

## Loma Linda

Ashley, L.M. .... FNG  
 Judehind, T.F. .... N

## Lompoc

Kantor, J.H. .... GOF

## Lone Pine

Chalmers, J.A. .... CME

## Long Beach

Anthes, J.A. .... C  
 Edwards, M.G. .... EM  
 Feeney, F.L. .... FG  
 Hockman, A.B. .... MEB  
 Newman, Alfred CBA  
 Reeder, C.W. .... N  
 Roberts, C.H.M. .... CBM  
 Roe, Mabel L. .... G  
 Utter, L. .... MED  
 Wissler, S.G. .... E

## Los Altos

Johnson, W.E. .... IK  
 Yates, Mrs. D.H. .... IQF

## Los Angeles

Adams, J.M. .... BQ  
 Allen, B.M. .... F  
 Alter, Dinsmore ABD  
 Anderson, H.T. .... EF  
 Artran, A. Pierce FGN  
 Atsatt, Miss S.R. .... FQ  
 Bachrach, W.H. .... N  
 Baker, K.F. .... G  
 Baldwin, F.M. .... F  
 Ball, G.H. .... FGN  
 Ball, John O. .... QAM  
 Banzhaf, E. .... M  
 Barkelew, J.T. .... KBD  
 Barnett, Mrs. L.J.H. B  
 Barnett, S.J. .... B  
 Bartlett, Emily M. FG  
 Bauqh, Miss Ruth E. E

## Los Angeles, Cont'd.

Baughman, Imo P. .... C  
 Beckwith, T.D. .... N  
 Beers, Miss C.V. .... FGQ  
 Bell, Archibald W. .... F  
 Bell, Clifford .... A  
 Belt, A.E. .... N  
 Bennett, H.S. .... MAB  
 Binkley, G.S. .... BM  
 Bissell, M.H. .... E  
 Blanchard, F.T. .... LQ  
 Bohart, R.M. .... F  
 Boodin, John E. .... I  
 Bovard, John F. .... FI  
 Bower, E.C. .... D  
 Brantly, J.E. .... EM  
 Brinton, P.H.M.P. .... C  
 Brown, J. Calvin .... M  
 Brown, Mackenzie .... N  
 Brunswick, David IN  
 Burg, Anton B. .... CBA  
 Buns, Joseph F. .... BDA  
 Burrows, M.T. .... FN  
 Cady, O.H. .... C  
 Campbell, Miss J.R. A  
 Cason, Hulsey .... I  
 Chace, E.M. .... CO  
 Chandler, W.H. .... O  
 Church, C.G. .... CN  
 Clark, Alex. .... EMF  
 Clark, Loren T. .... B  
 Clark, Perry B. .... F  
 Clark, W.G. .... MBC  
 Clemminshaw, C.H. .... D  
 Collier, Miss M. .... AK  
 Collins, T.S. .... N  
 Coons, Callie Mae .... CN  
 Coons, R.R. .... CBN  
 Corey, W.H. .... EFN  
 Coryell, C.D. .... CFB  
 Courville, Cyril B. .... N  
 Daus, Paul H. .... A  
 Davis, E.F. .... EOC  
 Davis, Martha E. .... CNF  
 Davis, Ward B. .... G  
 deForest, Howard .... G  
 deForest, Lee .... BM  
 Deuel, H.J., Jr. .... N  
 Dlouhy, Francis N. ME  
 Dodd, L.E. .... B  
 Dodge, T.A. .... ERM  
 Dresser, W.P. .... DNB  
 Drury, D.R. .... N  
 Dunlap, Knight .... IH  
 Edwards, H.W. .... B  
 Elder, Clayburn C. MA  
 Eliel, Leon T. .... M  
 Ellis, Joseph W. .... B  
 Fearing, F.S. .... IHF  
 Field, Hazel E. .... FN  
 Fisher, E.F. .... EKO  
 Flam, John .... DBC  
 Fox, Elbert .... BAC  
 Franklin, Elmer EHQ  
 Fraser, R.J., Jr. .... BEA  
 Frisby, E.R. .... MB  
 Gale, Hoyt Rodney EK  
 Gale, H.S. .... E  
 Gilhousen, H.C. .... IHK  
 Glenn, T.H. .... N  
 Goddard, Miss V.R. .... CNF  
 Goudkoff, P.P. .... E  
 Grant, Adele Lewis GF  
 Grant, U.S., IV .... EF  
 Gray, Greta .... KQ  
 Greene, M.R. .... NF  
 Griffin, John B. .... OOK  
 Griffith, J.H. .... C  
 Gross, Nels .... K  
 Hall, Edwin B. .... EM  
 Halliday, Nellie. .... CN  
 Harper, H.A. .... NFC

## Los Angeles, Cont'd.

Harrington, M.R. ... H  
Harris, Ford W. .... M  
Harrison, B.M. .... FN  
Haupt, A.W. .... G  
Hazen, John W. .... MAB  
Hedrick, E.R. .... AM  
Henderson, E.B. .... CEB  
Henny, Gerard .... CE  
Herman, John .... CE  
Hodgson, R.W. .... OGO  
Hoffman, Arthur M. .... N  
Holden, Harold M. .... NF  
Hollenback, G.M. .... Nd  
Howard, Arthur D. .... F  
Howard, Miss H. .... FEH  
Hoyt, Anson .... CFN  
Huberty, M.R. .... OME  
Hudson, Frank S. .... E  
Hughes, Rupert .... C  
Humm, D.G. .... IA  
Humphrey, C.J. .... G  
Hunt, Guy H. .... A  
Hurt, Arthur C., Jr. .... NF  
Ickes, E.L. .... EAB  
Ingham, S.D. .... NIB  
Jennings, Herbert S. .... F  
Jensen, Joseph .... MEC  
Johnson, Arthur M. .... G  
Johnstone, G.R. .... G  
Jones, Lauder W. .... C  
Kaplan, Oscar .... IFK  
Kessel, John F. .... FN  
Kirkpatrick, H.A. .... B  
Knox, Garner L. .... MBA  
Knudsen, Vern O. .... B  
Kohs, Samuel C. .... IQK  
Lazier, F.L. .... FNO  
Leonard, F.C. .... DE  
Leslie, Roland R. .... CKO  
Levanas, Leod. .... C  
Lewis, E.R. .... NF  
Lewis, W. Scott .... DE  
Linton, Robert .... M  
Lischnier, Hyman .... N  
Lissner, Henry II. .... N  
Lorenz, A.J. .... NCO  
MacCallum, D.B. .... N  
McClanahan, A.C. .... I  
McClellan, M.L. .... E  
McCoy, I.I.N. .... BCM  
McCulloch, Irene A. .... F  
McFadden, N.F. .... EBF  
McKee, Stewart .... C  
McKibben, Paul S. .... N  
McLaughlin, K.L. .... QIK

MacMillan, H.G. .... G  
Maizlish, I. Paul .... BAD  
Mallon, M.G. .... N  
Marker, Wm. M. .... MCB  
Mauer, John .... NdIK  
Merrill, Frank H. .... C  
Metfessel, M. .... IQO  
Miller, Hyman .... LN  
Miller, L.H. .... FFE  
Miller, Pierre A. .... GO  
Miller, W.J. .... ENE  
Mills, Lloyd .... N  
Mitchell, L.H. .... NFG  
Moffatt, W.S. .... FGN  
Montgomery, H.H. .... C  
Moore, E.C. .... O  
Most, Nathan .... BMP  
Mudd, H.S. .... M  
Musgrave, H. .... IB  
Nye, Arthur W. .... BD  
Older, F.E. .... OQ  
Pallette, Edward M. .... N  
Panunzio, C. .... KHI  
Parker, Herschel C. .... N  
Patek, Paul R. .... NFB

## Los Angeles, Cont'd.

Peacock, Miss B.R. .... GFE  
Pearce, D.B. .... NFH  
Peebles, Florence .... FG  
Perry, William .... IFO  
Pheley, D.B. .... MBO  
Piatt, Donald .... BIK  
Pierce, L.F. .... CN  
Pierce, W. Dwight .... F  
Plunkett, Orda .... GF  
Pohlman, A.G. .... N  
Polia, Joseph A. .... NFC  
Potter, R.B. .... B  
Pressman, J.J. .... N  
Raulston, B.O. .... N  
Reynolds, Earle H. .... BC  
Robison, C.H. .... Q  
Robertson, J.C. .... N  
Robinson, John W. .... N  
Roessler, H.F.B. .... CNP  
Rothman, T. .... CKB  
Salvatori, Henry .... BE  
Sechechtman, A.M. .... FN  
Schmidt, W.A. .... BCM  
Schroter, G.A. .... EMN  
Scott, Miss Murray GE  
Searles, H.L. .... IQK  
Selle, Raymond M. .... FN  
Severance, H.M. .... G  
Shaffer, A.M. .... C  
Shelton, E.K. .... NIO  
Sherwood, G.E.F. .... A  
Simclair, J.H. .... QI  
Simons, J. Morris .... N  
Smith, J. Frank .... CMQ  
Smith, Ralph H. .... F  
Soltan, David L. .... BMA  
Somerville, R.L. .... N  
Soper, E.K. .... E  
Spence, Harold I. .... MEC  
Sponsler, O.L. .... GBC  
Starbuck, E.D. .... IQ  
Steele, Edson .... IN  
Stuatman, M.A. .... GFD  
Strong, A.M. .... M  
Strouse, Solomon .... N  
Sullivan, E.T. .... I  
Sullivan, Ellen B. .... IQ  
Targow, A.M. .... N  
Templeton, Miss B.C. .... GIN

Thienes, C.H. .... Np  
Thomas, T.Y. .... AB  
Tieje, Arthur J. .... E  
Travis, L.E. .... I  
Trimble, C.E. .... CBA  
Troxell, Harold C. .... M  
Truesdail, R.W. .... CNF  
Tschudy, William M. .... G  
Van Wart, R. McL. .... I  
Varney, B.M. .... EB  
Vaughan, F.E. .... EB  
Vollrath, R.E. .... CB  
von Klein Smid, R.B. .... E  
Waddell, C.W. .... QI  
Wade, F.S. .... ECM  
Warren, Neil .... I  
Whelan, D.E., Jr. .... MBO  
White, H.J. .... BMC  
Whitman, Alfred R. .... E  
Whyburn, W.M. .... A  
Wickland, Carl A. .... NI  
Williams, J.H. .... QI  
Woglum, R.S. .... F  
Wolcott, E.R. .... BC  
Wood, S.F. .... FN  
Woodruff, Miss R. .... F  
Woods, E.L. .... IQH  
Worthington, E.R. .... A  
Zierer, Clifford M. .... EK

## Madera

Barcroft, D.P. .... DCB  
Butin, M.R. .... N  
Manhattan Beach  
Jochum, W.T. .... MBA  
Perkins, R.M. .... GOE

## Martinez

Derbenwick, F. .... CB  
Morrison, D.M. .... CBP

## Marysville

Delamere, G.S. .... N

## Menlo Park

Ash, Charles S. .... C  
Friedenberg, E. .... CEO  
Locke, Augustus .... E  
Smith, W.S.T. .... E  
Vold, Robert D. .... C  
Webster, Hutton .... H  
Wildner, H.K. .... CBM

## Mill Valley

Drake, Bryant S. .... CBN

## Mills College

Wagoner, L.C. .... IQH

## Mineral

Swartzlow, C.R. .... EML

## Modesto

Cook, William C. .... F  
Gooding, J.H. .... GIN  
Hoover, Robert F. .... G

## Monrovia

Beckwith, H.T. .... CEM  
Pottenger, F.M. .... NBH  
Pottenger, F.M., Jr. .... MBH  
Remington, Lewis D. .... N  
Simonsen, D.G. .... CND

## Monterey

Linsdale, Jean M. .... F

## Monterey Park

Benkesser, G.E. .... MKB

## Mountain View

Clausen, A.A. .... M  
Schneider, E.J. .... CBA  
Shibuya, Miss M. .... NC

## Mount Hamilton

Jeffers, Hamilton M. .... D  
Moore, Joseph H. .... DB  
Wright, W.H. .... D

## Mt. Shasta

Wales, J.H. .... FNG

## Nevada City

Quinan, C. .... N

## Nice

Deonier, C.C. .... FNO

## Niles

Shinn, M.W. .... QHI

## North Hollywood

Corbin, Harold A. .... AC

## Oakland

Black, B.W. .... NK  
Bond, R.M. .... FGE  
Burch, Mary C. .... I  
Caselli, Albert V. .... CM  
Chappel, Harry G. .... HG

## Oakland, Cont'd.

Eickelberg, E.W. .... M  
Espy, T.W. .... M  
Fontaine, S.B. .... Nd  
Furbay, J.H. .... FO  
Garthwaite, J.W. .... CE  
Garthwaite, Miss M.E. .... NF

Gray, C.E. .... C  
Haun, G.C. .... M  
Hund, W.J. .... C  
Isenhour, L.L. .... COG  
Kaiser, John B. .... L  
Lam, Robert C. .... NFD  
Linsley, Earle G. .... DEQ  
Lundberg, A.J. .... BCD  
McMinn, H.E. .... GFN  
Mitzinger, Charles D. .... C  
Mitchell, John N. .... O  
Owens, Glynn .... AB  
Ross, Paul B. .... C  
Russell, G.H. .... M  
Ryker, H.C. .... MB  
Shimotori, G. .... BAD  
Stalder, Walter .... CEM  
Stockholm, Miss M. .... CN  
Thompson, Mrs. E.W. .... FOI

Trimble, H.G. .... NK  
Walker, Miss M.C. .... ED  
Winegarden, H.M. .... CNB

Wistar, Richard .... C

## Ocean Beach

Freeman, G.N. .... CM

## Orange

Cossairt, G.W. .... CMP  
Daunters, Milo R. .... CN  
Shippee, V.C. .... CBO

## Ontario

Stanford, H.R. .... GOF  
Vance, J.A. .... N  
Wilson, C.P. .... C

## Olive View

Bogen, Emil .... NCB

## O'Neals

Biswell, Harold H. .... G

## Pacific Grove

Campbell, Berry .... NHF  
Carson, S.F. .... CBN  
Fisher, Walter K. .... F  
Heath, Harold .... F  
Skogsberg, Tage .... F  
Snow, L.M. .... G  
van Niel, C.B. .... NCF

## Pacific Palisades

McBride, G. McC. .... E

## Palo Alto

Beard, Paul J. .... NPM  
Beckett, B.B. .... M  
Bleichfeld, H.F. .... A  
Boyd, Harold E. .... E  
Buss, F.E. .... DEG  
Carlisle, C.L. .... C  
Carroll, Joseph S. .... M  
Cody, Robert L. .... KL  
Davis, Burt L., Jr. .... NCF

Dewar, Miss M. .... C  
Drake, Robert J. .... FH  
Elliott, H.F. .... MBD  
Frost, Mrs. F.J. .... HN  
Green, Herlwyn R. .... NG  
Hall, Victor E. .... NFG  
Holliis, E.P. .... DEM

## Palo Alto, Cont'd.

Hollis, Mrs. E. M. .... E  
 Jakobsen, B. F. .... M  
 Johnson, Willis H. .... F  
 Kildale, M. B. .... EM  
 Koenig, Otto .... CEB  
 Krauskopf, K. B. .... ECB  
 Lemmon, D. M. .... EM  
 McMillan, W. B. .... MBD  
 McMurphy, James GO  
 Marshall, S. M. .... MED  
 Meyer, A. W. .... NFH  
 Morris, S. B. .... MEQ  
 Morse, S. W. .... OCB  
 Myers, Miss M. .... FGE  
 Neidig, Ray E. .... C  
 Patrick, G. T. W. .... I  
 Sanders, A. O. .... NHE  
 Sanford, F. .... B  
 Schwabacher, S. CEM  
 Scofield, N. B. .... FG  
 Sears, J. B. .... QK  
 Shafer, G. D. .... FN  
 Slonaker, J. Rollin .... F  
 Strick, E. J. .... NFD  
 Taft, J. A. .... E  
 Taft, Alan C. .... F  
 Tickell, F. G. .... ME  
 Timoshenko, S. .... M  
 Tucker, R. H. .... AD  
 Uspensky, J. V. .... AD  
 Wenk, Morris .... MQE

Palos Verdes  
Estates

Bray, Ulric B. .... CM

## Pasadena

Adams, Walter S. DBA  
 Agnew, James C. .... M  
 Alexander, C. K. .... AB  
 Anderson, C. D. .... BDC  
 Anderson, E. G. .... FG  
 Anderson, John A. DB  
 Arthur, Charles W. .... N  
 Backock, H. D. .... BD  
 Bailey, F. W. .... NF  
 Bates, Stuart J. .... C  
 Bedell, Frederick BM  
 Bell, James Edgar .... C  
 Bishop, Louis B. .... F  
 Breitwieser, C. .... BMA  
 Briggs, C. H. .... N  
 Buchman, Edwin R. C  
 Buddha, J. D. .... CD  
 Buwalda, John P. .... E  
 Campbell, Ian .... E  
 Clapp, W. H. .... MED  
 Conroy, C. C. .... DLO  
 Corey, Robert B. .... CB  
 Crellin, Edward W. M  
 Damsgard, L. C. DAB  
 deLaubenfels, M. W. F  
 Dobzhansky, Th. .... FG  
 Dock, George .... N  
 Duncan, J. C. .... DBQ  
 Dunham, T. Jr. .... DBN  
 Embree, Harland C. C  
 Emerson, Sterling GF  
 Epstein, Paul S. .... B  
 Fleming, T. Jr. .... EMI  
 Flocken, Chas. F. .... N  
 Fossler, Mary L. FCN  
 Furlong, E. L. .... E  
 Gunder, Jeane D. .... F  
 Gutenber, Beno. EDB  
 Haagen-Smit, A. J. .... CGF

Hague, Miss Eleanor ....  
 Harding, M. W. .... ECB  
 Harris, F. S. Jr. .... BAC  
 Hewitt, A. C. .... M

## Pasadena, Cont'd.

Hinrichs, F. W., Jr. M  
 Hirsch, F. R., Jr. .... BE  
 Hopkins, Louis J. .... HI  
 Houston, W. V. .... BAC  
 Hurd, Arthur H. .... NF  
 Johnson, Joseph J. .... DE  
 Joy, Alfred H. .... D  
 King, A. S. .... BDC  
 Klein, A. L. .... MB  
 Kleiner, E. G. .... CBO  
 Krick, Irving P. .... B  
 Lucas, Howard J. .... C  
 McDowell, C. S. MBH  
 Mackeown, S. S. .... MB  
 McLaughlin, A. C. .... E  
 Malina, Frank J. .... M  
 Mason, Max .... AB  
 Merrill, Paul W. .... DB  
 Meyers, Thomas J. NI  
 Michal, A. D. .... A  
 Michener, Harold FGE  
 Millikan, C. B. .... BAM  
 Millikan, R. A. .... B  
 Moore, Robert T. .... FE  
 Morgan, C. G. .... EBM  
 Morgan, T. H. .... F  
 Morris, Lawrence K. E  
 Munro, W. B. .... LKO  
 Niemann, Carl .... CN  
 Pauling, Linus .... CB  
 Perkins, Royal C. .... NC  
 Phillips, Vance .... BFC  
 Poitras, E. J. .... BMA  
 Prater, Arthur N. CFG  
 Pugh, K. E., Jr. .... NB  
 Putnam, Walter .... MC  
 Reed, J. Ross .... N  
 Richter, Charles F. E  
 Ricketts, Louis D. .... M  
 Roeder, Frederick .... M  
 Rooksby, Mrs. Ellen G  
 Sanford, Roscoe F. .... D  
 Sargent, H. E. .... H  
 Schmitt, Miss Clara IQ  
 Seares, Frederick H. D  
 Sharp, George C. .... Nd  
 Smythe, W. R. .... B  
 Soske, Joshua L. EBA  
 Stock, Chester .... EF  
 Stromberg, Gustaf .... D  
 Sturtevant, A. H. .... F  
 Sutton, Lorena .... N  
 Thurston, Carl H. P. IH  
 Tolman, Richard C. BC  
 Tyler, Albert .... FCN  
 VanBuskirk, H. C. .... A  
 vanOverbeek, J. GOC  
 vanHarrevel, A. NFI  
 Watson, Earnest C. .... B  
 Wear, Luther E. .... A  
 Went, F. W. .... G  
 Wiersma, C. A. G. .... NF  
 Wilson, Ralph E. .... D  
 Wolff, John Eliot .... E  
 Wood, Harry O. .... EB  
 Zwicky, Fritz .... BD

## Piedmont

Brobeck, W. M. .... MB  
 Jones, Paul R. .... F  
 Moffitt, James K. .... N  
 Strietmann, W. H. .... N  
 Williams, F. A. .... GOF

## Pittsburg

Heath, Frank W. CBT  
 Siem, Roy .... CMB

## Placerville

Austin, Lloyd .... OG  
 Morgan, W. C. .... NpIK  
 Weidman, R. H. .... DOG

## Pleasanton

Miller, Alice F. .... NCF  
 Podstata, V. H. .... IN

## Point Loma

Clark, Orange I. .... GO

## Pomona

Burgess, Miss D. GFN  
 Furr, J. R. .... OG  
 Harvey, E. M. .... GO

## Porterville

Miller, Austin .... N  
 Miller, Newton .... N

## Redding

McGraw, J. W. .... NpC  
 Ruoff, Robert V. BKA

## Redlands

Abbott, C. H. .... FE  
 Albert, O. W. .... A  
 Berry, S. S. .... FEG  
 Horton, J. S. .... GO  
 Jones, Lynn W. .... BM  
 Jones, S. Guy .... C  
 Marsh, H. E. .... BDM  
 Moore, Caroline S. GF  
 VanOsdel, E. B. .... ED  
 Woodrow, H. W. .... CN

## Redwood City

McKee, Albert B. NOE  
 Strowger, Berk B. NFG

## Richmond

Gardner, Leo R. .... FGC

## Riverside

Benton, Ralph .... FG  
 Bartholomew, E. T. .... G  
 Basinger, A. J. .... F  
 Batchelor, L. D. .... OEG  
 Bennett, C. W. .... G  
 Bliss, Donald E. .... G  
 Bliss, H. H. .... QBM  
 Boyce, Alfred M. .... FO  
 Brown, S. M. .... C  
 Carsner, Eubanks .... G  
 Chapman, H. D. .... OG  
 Condit, Ira J. .... K  
 Cooper, Miss A. B. .... QO  
 Eaton, Frank M. .... G  
 Ebeling, Walter .... F  
 Eggleston, J. W. .... EF  
 Fawcett, Howard S. .... G  
 Flanders, S. E. .... FO  
 Frost, H. B. .... GO  
 Giddings, N. J. .... G  
 Gilchrist, F. G. .... F  
 Hayward, H. E. .... G  
 Horne, W. T. .... G  
 Lesley, J. W. .... OGF  
 Long, Elbert M. .... G  
 Parker, E. R. .... OG  
 Persing, C. O. .... FOA  
 Pomeroy, C. S. .... GO  
 Quayle, H. J. .... G  
 Rounds, M. B. .... FGO  
 Shamel, A. D. .... O  
 Smith, Clayton O. .... G  
 Smith, H. S. .... F  
 Test, Charles D. .... CEF  
 Timberlake, P. H. .... F  
 Turrell, F. M. .... GCB  
 Walker, R. H. .... OGC  
 Wallace, J. M. .... GO  
 Webber, H. J. .... GO  
 Webber, J. M. .... GOF  
 Wilcox, L. V. .... COG

## Sacramento

Copeland, H. F. .... GO  
 Curtis, Brian .... F  
 Day, Artemas L. .... F  
 Day, Howard C. .... FNC  
 Engstrom, Carl O. .... N  
 Ferneau, T. E. .... MKQ  
 Giffen, R. B. .... Nd  
 Goethe, C. M. .... KHO  
 Gottfried, S. .... NFC  
 Harris, M. R. .... G  
 Jenkins, Hubert O. EF  
 Johnston, E. M. .... O  
 Kimber, G. C. .... EGH  
 Lichthardt, G. H. P. MC  
 Llopis, V. A. .... KQM  
 Mackie, D. B. .... F  
 Milbrath, D. G. .... G  
 Nash, Clarence .... BAC  
 Noble, W. B. .... FOG  
 Todd, Frank E. .... FOK  
 vonGeldern, C. E. .... N  
 Wilson, C. C. .... F  
 Wood, Milo N. .... OGF  
 Zallio, A. G. .... II

## St. Helena

Cox, Leonard M. .... ME  
 Lewelling, R. .... BCM

## Salinas

Gardner, Eldon J. .... F

## San Bernardino

Christensen, L. D. FG  
 Cummings, N. W. BAM  
 Edge, Elton R. .... FG  
 Harvey, J. Vernon .... G  
 Moose, Ray M. .... NIB  
 Peters, R. B. .... EHO  
 Yeaton, W. J. .... E

## San Bruno

Clyde, W. H. .... KIH

## San Diego

Bach, James H. .... BEM  
 Bailly, Joshua L. Jr. .... FAD  
 Barondes, R. de R. .... N  
 Brooks, Baylor .... E  
 Burlingame, Mildred I  
 Cupp, Easter E. .... FG  
 Darsie, M. L., Jr. .... GN  
 Dawson, C. H. .... M  
 Donovan, Paul B. .... NC  
 Eigenmann, Mrs. R. S. .... F

Fladeland, R. H. .... NdEL

Grant, Chapman .... F  
 Hardy, Edward L. .... Q  
 Harvey, Mrs. D. R. .... GF  
 Harwood, R. D. .... FG  
 Hoffman, F. L. .... K  
 Jannoch, Mrs. M. L. GF  
 Johnson, Myrtle E. .... F  
 Klauber, L. M. .... MFC  
 McClendon, S. J. .... N  
 MacPike, E. F. .... KLO  
 Marston, G. W. .... DH  
 Meyer, Art F. .... M  
 Morris, Miss Elma .... N  
 Purer, Edith A. .... G  
 Redelings, L. H. .... N  
 Ruediger, E. Henry .... N  
 Schabelitz, E. J. .... N  
 Schroeder, C. R. .... FN  
 Simons, Mrs. C. L. .... F  
 Smith, Clifford E. DAB  
 Stallard, Harvey .... Nd

## San Diego, Cont'd.

Steeley, Chas. L. .... N  
Stephens, Mrs. Kate F  
Stone, John S. .... B  
Tairater, C.S. .... BDM

## San Delmas

Manan, Charles W. .... O

## San Francisco

Adams, Charles H. .... D  
Alves, Henry L. .... C  
Austin, Arthur. .... BCD  
Barlow, James. .... N  
Bauer, Gen. W. .... C  
Bender, Albert M. .... D  
Benfield, A.N. .... DM  
Bickard, G.H. .... N  
Bitting, Arvid W. .... N  
Blaisdell, J.F. E. .... FN  
Bolin, H. .... NPCL  
Bowen, E.L. .... B  
Bridgman, O.P. .... INF  
Butter, Harold. .... N  
Caldwell, P.D. .... GOC  
Carr, J.L. .... N  
Chandler, R.M. .... M  
Chandler, Loren R. .... N  
Clark, H.W. .... F  
Condon, J.M. .... BDA  
Coutner, C.L. .... N  
Covell, W.H. .... F  
Cummins, W.T. .... N  
Cushing, C.S. .... N  
Cutting, Wendell C. N  
Danforth, J.S. .... M  
Dart, Raymond. .... N  
Davidson, Miss E.C. H  
DeLis, J. .... CNP  
Doeke, Wm. .... N  
Drake, R.H. .... NCB  
Dunsmuir, James S. .... N  
Eastwood, Miss A. .... G  
Ellis, Charles DeY. .... N  
Ellis, Mrs. S. .... BCD  
Engel, David A. .... N  
Engel, L. .... CE  
Esty, James Russell. N  
Faber, Harold. .... N  
Farber, David. .... CN  
Fluck, R. .... NCB  
Fluhmann, C.F. .... N  
Foreman, H.F. .... FEM  
Free, Charles, Birt. .... N  
Fritzsche, R.W. .... NCF  
Geiger, J.C. .... E  
Gestner, J.L. .... E  
Gilbert, Paul. .... N  
Goldman, Leona. .... N  
Good, Nevel. .... F  
Gray, Mrs. E. .... FGN  
Gray, Alice. .... NII  
Gree, Frank. .... CGNP  
Gree, George L.D. .... NC  
Grubb, W.A. .... EHL  
Gurehot, Charles. CNF  
Gurley, John E. .... QND  
Hanson, J.D. .... EFG  
Hanson, W.W. .... M  
Hanzlik, Paul. .... N  
Harver, Paul. .... FN  
Hawthorne, R.Jr. .... EM  
Hawthorne, Frank. NFE  
Hoban, M. .... N  
Hoban, W.D. .... MC  
Hoban, R. .... N  
Howell, J.P. .... G  
Howell, Miss B.F. .... NF  
Jacobs, J. .... J  
Jacobs, Nicholas. .... N  
Jameson, Miss B. .... CN  
Jennings, H.B. .... FOQ  
John, Martha. .... CA

## San Francisco, Cont'd.

Johnson, E.E. .... CN  
Johnson, G.S. .... NIH  
Johnstone, H.G. .... FNG  
Kelly, T.H. .... N  
Kemp, E.C. .... IO  
Kent, Mother M. .... BAD  
Kerr, Wm J. .... N  
Kessel, E.L. .... F  
Koch, A.A. .... MDB  
Kohls, Clara Lydia. N  
Kruse, Fred H. .... N  
Kunler, W.D. .... CN  
Lackenbach, F.I. .... N  
Lamb, Frank C. .... C  
Lantz, Miss B. .... IQK  
Laitigan, A.J. .... N  
Layman, Mary H. .... N  
Leake, C.D. .... NLC  
Leonard, E.M. .... NIL  
Lillis, Miss H.C. .... N  
Loewenstein, E. .... NC  
Lyon, Robert A. .... N  
McCarty, A.L. .... A  
Mailliard, Joseph. .... F  
Maltby, M.E. .... B  
Marshall, Max S. .... N  
Martin, Lillian. .... IH  
Martin, Robert. .... N  
Mathe, C.P. .... N  
Mayers, E.A. .... DKM  
Mennecke, E.P. .... GF  
Meyer, Karl F. .... N  
Millberry, G.S. KNDQ  
Miller, Robert C. .... NF  
Moffitt, H.C. .... NCF  
Montgomery, M.L. .... NCB  
Murayama, Miss F. NC  
Naffziger, H.C. .... N  
Nelson, Miss Lois. NCF  
Newell, R.R. .... NB  
Newman, H.W. .... N  
Newsom, J.B. .... MEO  
Northrup, M.A. .... NF  
O'Connor, Roderic. N  
Older, Benjamin. .... D  
Oliver, H.R. .... N  
Palmer, Allan. .... NC  
Parsons, C.W. .... CNF  
Peckles, D.D. .... CNF  
Peers, Susie M. .... N  
Pelle, Walter V. .... NFG  
Peradotto, Louis. .... F  
Perino, J.A. .... FNO  
Perry, Miss I. .... NCF  
Perry, O.B. .... M  
Pickard, Miss E.A. FG  
Pischel, Kaspar. .... NF  
Pope, George A. .... N  
Porter, Langley. .... N  
Pratt, Robertson. GFN  
Rabinowitz, R. .... NIH  
Reed, Alfred C. .... N  
Rinehart, James F. .... N  
Roberts, D.K. .... DAQ  
Rodenbaugh, F.H. .... N  
Rohlfis, W.V. .... MEC  
Rose, Lewis S. .... G  
Rosencrantz, E. .... N  
Rusk, Glenville. .... N  
Ryan, J.T. .... BM  
Schilling, Walter. ANI  
Schwartz, A. .... CFG  
Seale, Alvin. .... F  
Shepard, W.P. .... N  
Shipman, S.J. .... NFB  
Silverstein, Miss E. .... CQP  
Simmonds, Nina. .... N  
Sloman, Ernest. .... KND  
Smith, E.E. .... MC  
Smith, T.S. .... ND

## San Francisco, Cont'd.

Soley, Mayo H. .... N  
Sommer, Hermann. CN  
Stacey, J.W. .... G  
Stadtmuller, Miss H. .... DE  
Stafford, Ross G. .... N  
Stokstad, E.L.R. .... CNO  
Stone, John B. .... CMN  
Swett, W.F. .... BEM  
Taber, Loren B. .... NDL  
Tainter, M.L. .... Np  
Takahashi, K. .... NFO  
Thelander, H.E. .... N  
Thomas, J.O. .... CNPF  
Tomer, S.J. .... CO  
Trevithick, Miss G. CN  
Trost, Henry. .... F  
Underhill, Eliot. MPC  
VanDuzee, E.W. .... GO  
Wagener, W.P. .... F  
Walker, Etheredge. M  
Walker, T.C. .... BCD  
Webster, Alice. .... CFQ  
Weiss, Charles. .... NC  
West, Fred. .... CNP  
Wiel, Samuel C. .... HIN  
Williams, Francis. N  
Williams, Paul D. CPB  
Wilson, R.H. .... N  
Wood, David A. .... N

## San Gabriel

Ellis, Emory L. .... CFN  
Warner, Douglas. .... NF

## Sanger

Spearman, Miss E. AQ

## San Jose

Bolton, Lloyd L. .... FGN  
Brauer, O.L. .... ABC  
Clark, Brant. .... J  
Davis, Miss C. .... IO  
DeVos, J.C. .... IQH  
Duffy, Harry A. .... N  
Hazelton, Karl S. .... G  
Knoche, Herman. .... GE  
Lenox, Mrs. A.R. .... C  
Mignon, Miss H.L. .... NQC  
Mosher, R.M. .... IO  
Proescher, F. .... NCH  
Rudolph, B.A. .... G  
Sheffer, W.G. .... ND  
Wilbur, Paul C. .... CF  
Wiltz, Miss B.A. .... CFG

## San Leandro

Belding, James. MEA  
Gibbons, V.L. .... C

## San Marino

Alles, Gordon A. .... CNP  
Anderson, Evald. CBM  
Crotty, H.D. .... ABK  
Foord, Alvin G. .... N  
Gillette, H.P. .... MB  
Hubble, Edwin. .... C  
Koepfl, J.B. .... C  
Macfarlane, W. .... O  
Mudd, Seeley G. .... NB  
Weldon, W.R.H. .... N

## San Mateo

Kernohan, Geo. .... CFN  
Perry, J.K. .... NCF  
Wilson, L.E. .... E

## San Pedro

Brady, S.M. .... MCB  
Cozby, H.O. .... N  
Goad, Edgar F. .... HCL  
Hall, W.W. .... N  
Hogan, B.W. .... NIO

## Santa Ana

Nealley, E.M. .... IK  
Steward, W.P. .... B

## Santa Barbara

Addicott, Fred T. GFN  
Bickerdike, E.L. CEB  
Clements, E.S. .... G  
Clements, F.E. .... G  
Coggeshall, A.S. EFH  
Coleman, G.E. .... N  
Erickson, M.M. .... FNG  
Gray, P.A., Jr. .... N  
Henck, John B. .... BM  
Hooker, Mariano. .... N  
Knox, H.H. .... EM  
Long, Frances. .... GC  
Long, Miss M.L. .... CN  
Noble, Elmer Ray. .... CF  
Ousdal, A.P. .... EF  
Rea, P.M. .... EFH  
Russell, E.F. .... NHC  
Sansum, W.D. .... N  
Sweet, Helen. .... FGK  
Ullmann, H.J. .... NBM  
Wenstrom, W.H. .... B

## Santa Clara

Newlin, A.J. .... E

## Santa Cruz

Gayton, Anna H. .... H  
Levy, Paul M. .... COI  
Norris, Robert S. .... C  
Phillips, G.W. .... M  
Spier, Leslie. .... H

## Santa Monica

Brode, J. Stanley. FGO  
Carel, Hubert C. .... C  
Conroy, D.W. .... M  
Davies, Robert G. .... M  
Herman, Fred W. .... M  
Myers, Orvil F. .... IOH  
Ross, Gordon. .... KEG  
Thompson, H.B. .... CN

## Santa Paula

Cosby, Stanley W. OE  
Ullman, C.G. .... OGC

## Santa Rosa

Gurley, Miss M.K. .... N

## Saratoga

Howe, E.C. .... NQ

## Sausalito

Loomis, Frederic. .... NI

## Sebastopol

French, Thomas, Jr. B

## Shafter

Harrison, Geo. J. .... G  
Hutcheson, R.B. .... E  
Smith, Gordon L. FOG

## Shasta Dam

Kirkpatrick, J.E. .... N

## Sherman Oaks

Andreau, R.L. .... CBN

## Sierra Madre

Hurt, L.M. .... ONI  
Wayland, C.A. .... N

## Signal Hill

Shambaugh, N.F. NCF  
Shambaugh, Mrs. N.F. Q

## Sonoma

Chittenden, M.C. .... BE  
Read, D.B. .... MCE

- South Gate**  
Malinovszky, A. ....C
- South Pasadena**  
Adams, E.L. ....MFG  
Evans, Newton ....N  
Frederick, C.A. ....BM  
Garlinghouse, L.H. ....MBA  
Murphy, F.M. ....EMC  
Ross, Roland Case FEQ
- South San Francisco**  
Haeseler, P.C. ....C
- Stanford University**  
Abrams, LeRoy ....G  
Baumberger, J.P. FKN  
Beadle, G.W. ....FGO  
Bergstrom, F.W. ....C  
Blackwelder, Eliot ....E  
Blinks, L.R. ....GFC  
Bradbury, N.E. ....B  
Burlingame, L.L. ....FG  
Byrd, Oliver E. ....QN  
Campbell, D.H. ....G  
Cannon, W.A. ....G  
Child, C.M. ....F  
Clancy, C.W. ....FG  
Clausen, J. ....G  
Clifton, C.E. ....N  
Crook, W.J. ....BCM  
Danforth, C.H. ....HFN  
Doane, R.W. ....F  
Domonoske, A.B. ....M  
Durand, W.F. ....BDM  
Eulich, Alvin C. ....QI  
Farris, G.F. ....F  
Field, John, II. ....NCF  
Gray, Donald J. ....N  
Greene, C.W. ....NpFC  
Hall, Everett W. ....BKI  
Hall, Warren, III. IN  
Hardin, Garrett ....FIN  
Herre, A.W.C.T. FGE  
Hiesey, Wm.M. ....GO  
Hilgard, Ernest R. ....I  
Johansen, Donald A. G
- Stanford U., Cont'd.**  
Keck, David D. ....G  
Kefauver, G.N. ....Q  
Kirkman, Hadley NF  
Kirkpatrick, Paul BA  
Lanz, Henry ....ABK  
Lindsay, Miss M. ....NG  
Luck, J. Murray ....CNF  
McBain, J.W. ....CBF  
McCracken, I. ....FGE  
MacFarland, F.M. FN  
McNemar, Quinn IKO  
Manwaring, W.H. NK  
Mears, Eliot G. KPE  
Merrill, Maud A. ....I  
Miller, Joseph ....I  
Mitchell, J. Pearce .C  
Mosher, Clelia Duell N  
Myers, George S. ....FE  
Needham, P.R. ....F  
Noller, Carl R. ....C  
Parks, George S. ....CB  
Peirce, G.J. ....G  
Rich, Willis H. ....FGN  
Rogers, A.F. ....E  
Schultz, E.W. ....N  
Sette, O.E. ....FG  
Shapovalov, Leo ....F  
Shedd, Solon ....E  
Skilling, Hugh ....MB  
Skow, Royce K. FNC  
Smith, G.M. ....G  
Smith, James H. C.  
Smith, Otto ....MBC  
Snyder, John O. ....F  
Spoehr, H.A. ....CG  
Stoltenberg, Miss C S.  
Stone, Calvin P. ....I  
Storey, Miss M. ....FG  
Storey, T.A. ....NOK  
Strong, E.K., Jr. ....IQ  
Swain, Robert E. ....C  
Taylor, C.V. ....F  
Terman, L.M. ....IO  
Townley, S.D. ....DE  
Van Rysselberghe, P. ....C
- Stanford U., Cont'd.**  
Webster, D.L. ....B  
Weymouth, F.W. NFI  
Whitaker, D.M. ....FGE  
Wiggins, Ira L. ....GE  
Wilbur, R.L. ....NQ  
Willis, Bailey ....E  
Windsor, Miss M. FG  
Working, Holbrook K
- Stockton**  
Conzelmann, F.J. ....N  
Corbin, C.E. ....A  
Jonte, J.H. ....CEM  
McLaughlin, D.T. FH  
Noble, Alden E. ....F  
Pease, G.R. ....IQ  
Sanderson, G.H. ....NE  
Snook, Harry J. ....F  
Waldo, Allen ....E
- Sunnyvale**  
Winter, S.W. ....OG
- Sutter Creek**  
Slater, T. Calvert EMF
- Taft**  
Klingaman, G.L. ....ME
- Terminal Island**  
Clark, Frances N. ....F
- Trinidad**  
Parks, Harold E. ....GF
- Trona**  
Gale, W.A. ....CBM
- Twentynine Palms**  
Campbell, W.H. ....HE
- Upland**  
Manchester, T.C. ....CE  
Rohrbaugh, P.W. GOC
- Vallejo**  
Hogan, James J. ....N  
See, Thomas J. ....A
- Valyermo**  
Noble, Levi F. ....E
- Van Nuys**  
Kelly, Mrs. D.S. ....HK  
Whitaker, J.A. ....M
- Ventura**  
Cecil, Rodney ....FO  
McCurdy, R.C. ....BME
- Watsonville**  
Finch, R.H. ....EB  
Volck, W.H. ....C
- West Los Angeles**  
Coit, J. Eliot ....OG  
Gilluly, James ....E  
Guth, D.O. ....CPB  
Hadley, Mrs. W.C. CQ  
Neal, Miss Nellie N. Q  
Robertson, G. Ross .C  
Wembridge, E.R. ....I
- Whittier**  
Boyd, B.L. ....F  
Boynton, W.P. ....B  
Broadbent, Miss B.M. ....F  
Dice, M.E. ....CMB  
Fulton, R.A. ....F  
Henderson, C.F. ....F  
McGregor, E.A. ....F  
Pyle, H.R. ....A  
Powers, P. ....FEQ  
Skarstedt, Marcus .A  
Spencer, H.F. ....GFE  
Watson, S.A. ....FGO
- Wilmington**  
Clear, C.G. ....CBF  
Zinszer, Richard .BCA
- Yorba Linda**  
Shepherd, F.I. ....CEN
- Yuba City**  
Urbahns, T.D. ....FG

## COLORADO

- Alamosa**  
Spencer, Frank C. ....HQ
- Austin**  
Green, Ferris M. ....OG
- Berthoud**  
Bunyan, John ....D
- Boulder**  
Alexander, Gordon FG  
Allen, A.H. ....C  
Blair, Julian M. ....BC  
Broxon, James W. ....B  
Cockerell, T.D.A. ....F  
Cole, Lawrence W. ....I  
Crabb, Edward D. ....F  
Crawford, R.D. ....E  
Dean, Paul M. ....C  
DeLong, Ira M. ....A  
Drommond, F.G. ....CNp  
Ekeley, John B. ....C  
Evans, Herbert S. ....M  
Faye, Paul-Louis LOH  
Germann, F.E.E. CBA  
Howells, T.H. ....IFH  
Hutchinson, C.A. ADB  
Ives, R.L. ....EBH  
Johnson, E.L. ....G  
Kempner, A.J. ....A  
Lester, Oliver C. ....BA
- Boulder, Cont'd.**  
LeVeque, Norma ....FG  
Light, G.H. ....ADB  
Lubovich, V.P. ....B  
Morris, Earl H. ....H  
Muenzinger, Karl F. I  
Pearl, R.M. ....E  
Pietenpol, W.B. ....B  
Quam, Louis O. ....E  
Ramaley, Francis ....G  
Rodeck, Hugo G. ....FGH  
Sayre, Geneva ....G  
Shepard, Miss A.O. ....HEC  
Shope, Paul F. ....G  
Stribe, Miss F.P. .ABI  
Wakeham, Glen ....CIN  
Washburn, H.C. ....C  
Worcester, P.G. ....E
- Climax**  
Feiss, Julian Wm. EMF
- Colorado Springs**  
Boissevain, C.H. NCG  
Boucher, Paul E. ....B  
Brown, F. Martin FHN  
Douglas, F.W. ....CP  
Draper, Paul A. ....NI  
Drea, William F. NCB  
Froelicher, F.M. ....Q
- Colorado Spgs., Cont'd.**  
Gilmore, Ralph J. ....F  
Graves, Cecil H. ....FGC  
Marston, Edgar J. ....G  
Obce, D.J. ....GF  
Penland, C.W. ....GF  
Postlethwaite, W.W. ....HEL  
Rawles, T.H. ....A  
Service, W.C. ....NFC  
Studley, Duane ....BA  
Warren, E.R. ....F  
Wilder, M.A. ....CE  
Willis, W.R. ....CH
- Crested Butte**  
Johnson, J.C. ....FQ
- Denver**  
Ames, E.W. ....EM  
Bailey, A.M. ....F  
Baskin, M.J. ....N  
Baum, Harry L. ....N  
Billings, E.G. ....NI  
Bouslog, John S. ....N  
Brunquist, E.H. ....FNP  
Buchanan, A.R. ....N  
Burrage, S. ....NOG  
Campbell, Thomas C.  
Carstarphen, F.C. BCM  
Clausen, Harry J. ....F
- Denver, Cont'd.**  
Corper, Harry J. ....N  
Cunningham, T.D. ....N  
D'Amour, Fred E. ....F  
Dobbin, Carroll E. ....E  
Douglas, F.H. ....H  
Duncan, D. Shaw ....KL  
Ebaugh, F.G. ....IN  
Erdmann, C.E. ....EM  
Evans, J. Claire ....CLE  
Feldstein, L.H. ....C  
Fowler, O.S. ....C  
Garlough, F.E. ....FNO  
Gerould, Miss E.W. CA  
Good, A.H. ....N  
Hall, Ivan C. ....N  
Henderson, C.W. EMC  
Hillkowitz, P. ....NCF  
Holch, A.E. ....GF  
Houk, Ivan E. ....MBE  
Hyslop, W.H. ....B  
Iliff, Miss Alberta CNF  
Jackson, Edward NO  
Keenoy, T. Louis ....CA  
Kemper, C.F. ....N  
Kingerly, H.M. ....NFH  
Kotas, Walter S. ....N  
Lazarus, A.S. ....N  
Lewis, R.C. ....CN  
McWilliams, R.H. KL  
Mahoney, F.J. ....F

<b>Denver, Cont'd.</b>	<b>Englewood</b>	<b>Fort Collins, Cont'd.</b>	<b>Holyoke</b>
Markley, A.J. .... N	Muench, R.K. .... C	Thornton, B.J. ... GO	Niehaus, H.R. ... NGF
Nelson, Alfred C. CMQ	<b>Estes Park</b>	Washburn, L.E. ... CON	<b>Lamar</b>
Nininger, H.H. ... EDF	Canfield, D.H. ... EHF	Whiteford, G.H. ... C	Bondurant, D.C. ... MB
Noland, T.J., Jr. MAF	<b>Fort Collins</b>	Wing, Miss E. .... C	<b>Longmont</b>
Nyswander, K.E. ... BM	Avery, Geo. T. .... IO	Winton, W.F. .... .	Brewbaker, H.E. GOF
Osborn, Sidney J. ... C	Binkley, A.M. .... O	<b>Golden</b>	<b>Loretto</b>
Owen, H.G. .... F	Burdick, R.T. .... KO	Adams, A.S. .... M	Cook, Sister R.M. ... A
Parker, Alice .... NO	Costello, D.F. .... OG	Aller, Frank D. ... CEM	Smith, Sister M.A. ... C
Pesman, M.W. ... GKO	DeLeon, Donald FGD	Bellis, A.E. .... B	<b>Mesa</b>
Phipps, L.C. .... M	Gillette, C.P. .... FH	Carpenter, C.B. ... ABC	Stewart, E.H. .... EFG
Reid, F.H. .... .	Glick, D.P. .... NGO	Fitterer, John C. AMQ	<b>Pueblo</b>
Ridgway, Arthur ... M	Goeder, Frank P. ... B	VanTuyt, F.M. .... E	Morrison, Miss G. ... FG
Ridgway, Miss D. ... NC	Gunder, D.F. ... AMB	Ward, Leon S. ... CBQ	Smith, Frank K. .... F
Sabin, F.R. .... N	Johnson, C.G.H. ... C	Weinig, A.J. .... BCM	<b>Stirling</b>
Savage, J.L. .... MEA	Kezer, Alvin .... O	Wilson, W.E. ... MAB	Sanders, J.H. .... KIO
Smead, Miss Julia FH	Leonard, W.H. .... O	<b>Greeley</b>	<b>Trinidad</b>
Stark, Miss N.A. ... NC	List, G.M. .... F	Harrah, E.C. .... F	Dowell, F.S. .... FG
Stearns, J.C. .... B	Lory, C.A. .... MOB	Herman, Fred L. ... C	<b>Windsor</b>
Stiles, Geo. W. .... N	Lute, Miss A.M. ... G	Jean, F.C. .... G	Osterhout, Mrs. G.E., GN
Triplett, R.J. .... KO	Macdonald, S.L. ... AD	<b>Gunnison</b>	
Vanderwilt, J.W. EHM	Palmer, M.A. .... FN	Hurst, C.T. .... F	
Wakeland, Claude ... F	Parshall, R.L. ... MO	Schuhmann, R. ... CA	
Wallin, Ivan E. .... N	Robertson, D.W. ... O	<b>Hesperus</b>	
Ward, Duren J.H. HIL	Rohwer, Carl .... M	Moinat, A.D. .... GO	
Ward, Justus C. ... CNO	Sackett, W.G. .... NG		
Waring, James J. .... N	Sumner, Ruth .... F		
Washburn, A.H. ... NIO			
Wiley, H.L. .... CBM			
Working, D.W. ... KO			

## CONNECTICUT

<b>Ansonia</b>	<b>East Haven</b>	<b>Hartford, Cont'd.</b>	<b>Manchester</b>
Dana, A.S. .... MBC	Rogoff, William M. F	Cotton, John M. ... NIK	O'Neal, R.P. .... CPN
<b>Bantam</b>	Thorpe, M.R. .... EF	Cragin, Donald B. ... N	<b>Meriden</b>
Heiser, V.G. .... N	<b>Essex</b>	Dadourian, H.M. BAD	Egeberg, Birger . MCB
<b>Bethany</b>	Hunt, W.R. .... N	Day, Miss K.S. ... IHK	<b>Merrow</b>
Johnson, T.B. .... C	<b>Farmington</b>	Donchian, Paul S. ... A	Morrow, H.L. .... G
<b>Branford</b>	Lee, John G. .... MB	Dorweiler, Paul ... A	<b>Middletown</b>
Bellis, A.E. .... C	<b>Gales Ferry</b>	Feingold, G.A. .... IO	Buel, Jack .... IH
Cooke, T.F. .... B	Dimick, C.E. .... AB	Ficklen, J.B., III CMN	Cady, W.G. .... B
<b>Bridgeport</b>	<b>Greenwich</b>	Hammond, H.P. ... A	Crawford, M.B. ... B
Ballou, W.A. ... ABQ	Amoss, Harold L. ... N	Hostetter, J.C. ... CBM	Eaton, Vernet E. ... B
Bogin, Maxwell ... N	Campbell, C.L. ... CBL	Hutt, R.B.W. .... HI	Freeman, J.R., Jr. CBM
Geer, W.A. .... N	Fletcher, Henry ... .	Kazarian, Sarkis NCG	Goodrich, H.B. .... F
Gordon, David ... BDQ	Kingsbury, Albert BM	Kingsbury, I.W. ... NE	Gortner, K.A., Jr. CNF
Merrill, Mrs. W.E. AD	Vaughan, Miss Lena B	Klinger, Miss B.H. ... GDF	Hoover, C.R. .... C
Sievers, Hans ... QHI	Vickers, J.L. .... N	Knowlton, Millard N	Hubbell, H.H., Jr. ... B
<b>Brookfield Center</b>	Williams, H.B. ... NBA	Kurtz, A.K. .... IOA	Hunter, G.W., III. NF
Lenk, Walter S. ... C	<b>Groton</b>	Lasowsky, F.W. NpC	Keppel, David ... E
<b>Cheshire</b>	Morrisson, J.W. .... E	Mirsky, Aron L. MAB	Peoples, J.W. ... EM
Messer, W. Earl ... CA	<b>Hadlyme</b>	Mitchell, Alfred K. ... A	Phelps, Isaac King ... C
Smith, C.S. .... MBL	Hamilton, Alice .... N	Moyle, H.B. .... HIN	Schneider, E.C. ... FN
<b>Clinton</b>	<b>Hamden</b>	Mylchreest, G.L. ... M	Slocum, Frederick ... D
Carter, George S. FGO	Darrow, Daniel ... N	Newlands, J.A. ... CN	Stearns, Carl L. ... D
Ferris, H.B. .... FHN	Donleavy, John J. ... C	Osborn, S.H. .... N	Taylor, R.M. .... NI
McClelland, J.R. ... N	Dudley, S.W. ... MQ	Perkins, H.A. .... B	VanDyke, Karl S. ... B
<b>Cornwall Bridge</b>	Friend, Roger B. ... F	Pettice, C.L.W. ... C	Wendt, G.R. .... INQ
Clarke, W.C. .... QNO	Hull, Clark L. .... IO	Prescott, B.D. ... NIF	<b>Milford</b>
<b>Danbury</b>	Leavenworth, C.S. ... C	Roberts, S.H. .... CN	Engle, James ... FGO
Campbell, D.K. ... Nd	Murdoch, G.P. ... HK	Saville, Caleb Mills M	Loosanoff, Victor FHN
<b>Darien</b>	Nims, L.F. .... CN	Shiple, Walter C. ... I	<b>Naugatuck</b>
Ashman, E.T. ... ABC	Onsager, Lars ... BCA	Steiner, Walter R. ... N	Meadors, V.G. ... CBM
Bachne, G.W. ... KMB	Shuttleworth, F.K. IO	Swan, Horace C. ... N	Stiteler, Charles H. ... C
Burghart, Lloyd M. ... C	Workman, T.W. ... NOC	Troxell, E.L. ... EFO	<b>New Britain</b>
DeRemer, J.G. .... M	<b>Hartford</b>	Turner, Albert M. ... EK	Clark, H.D. .... MK
<b>Durham</b>	Altmaier, C.L., Jr. IQK	Veeder, C.H. .... M	Ferry, Frederick C. ... A
Clarke, Frances M. QIA	Beach, Charles C. ... N	Wheeler, K.M. ... N	Levine, Howard ... NCF
<b>Eagleville</b>	Bills, Marion A. .... I	Woodward, C.G. ... K	Narkiewicz, I.P. ... CN
Mason, Inez .... C	Bissonnette, T.H. FGN	Yergason, R.M. ... NHF	Rogers, D.C. ... IQK
	Blank, Arthur S. ... CB	<b>Kent</b>	Underhill, O.E. .... Q
	Burlingame, C.C. ... NI	Bauer, Frederick ... F	<b>New Canaan</b>
	Costello, H.T. .... IK	Woods, W.C. .... F	Bond, Miss Ray ... CB
		<b>Litchfield</b>	Rhoads, Alton L. ... BQ
		Kavanagh, A.J. ... AFG	Souther, B.L. .... CD
		<b>Madison</b>	Terhune, Wm.B. ... NI
		Harts, Wm.W. .... M	

## New Haven

Allen, Edgar ..... FN  
 Anderson, R.P. .... CGO  
 Angier, R.J. .... I  
 Armstrong, F.T. .... E  
 Baitzell, G.A. .... FG  
 Bakewell, C.M. .... IK  
 Ball, Stanley C. .... F  
 Barber, Geo. W. .... F  
 Barbour, H.G. .... N  
 Barnes, T. Cunliffe . F  
 Barney, Ida ..... DA  
 Barrett, L.B. .... GNDF  
 Bartlett, C.J. .... N  
 Bayne-Jones, S. .... N  
 Beard, Raumon L. .... F  
 Behne, C. Edward .. OG  
 Belkin, Morris .... NF  
 Bergmann, Werner . C  
 Blake, Francis G. . C  
 Blumer, George . N  
 Boling, John L. .... F  
 Boveri, Mrs. M. .... F  
 Boyce, J.S. .... GO  
 Brewster, F.F. .... C  
 Brinkley, Stuart R. C  
 Bunting, Henry . NFD  
 Burr, H.S. .... NF  
 Cassidy, H.G. .... CFQ  
 Castle, Hempstead . G  
 Chittenden, R.H. . CN  
 Clapp, Robert T. .... OG  
 Coe, Wesley R. .... F  
 Cooksey, C.D. .... B  
 Cooper, Frank L. .... B  
 Cowgill, G.R. .... NCF  
 Cowles, Philip B. .... N  
 Cross, Hardy .... KPL  
 Deubar, Carl G. .... GF  
 De Vita, Joseph .... N  
 Dietrich, H.G. .... C  
 Dodge, B.F. .... CMB  
 Dorris, Frances . FCN  
 DuBois, Delafield MN  
 Dunbar, C.O. .... E  
 Dunn, Joseph .... L  
 Duran-Reynals, F. . NGH  
 Dusser de Barenne, J. NI  
 Eaton, G.F. .... F  
 Emmel, V.M. .... NF  
 English, James, Jr . C  
 Engstrom, H.T. .... A  
 Evans, A.W. .... G  
 Filley, W.O. .... O  
 Fisher, Irving .... K  
 Fitch, Frederic B. ABI  
 Flint, R.F. .... E  
 Forbes, T.W. .... IKM  
 Fry, Clements C. NIH  
 Fulton, John F. .... NF  
 Furnas, C.C. .... CBK  
 Gagne, A.P. .... BMN  
 Gambrell, B.L. .... OI  
 Gardner, W.U. .... NFO  
 Gesell, Arnold .... IQN  
 Gildea, Edwin F. .... NI  
 Gittleston, Miss Y. . I  
 Graves, Henry S. .... O  
 Greenway, J.C. .... GN  
 Grether, W.F. .... I  
 Hamilton, J.B. .... NF  
 Hamilton, John M. . F  
 Harned, H.S. .... CB  
 Harris, Benedict R. N  
 Harrison, Ross G. . FN  
 Hartman, L.M. .... LAB  
 Hartshorne, Hugh QIK  
 Harvey, S.C. .... N  
 Hameyer, Loomis H  
 Hawley, Ralph C. .... O  
 Henderson, Yandell N

## New Haven, Cont'd.

Hewitt, Miss C.B. .... F  
 Hill, Arthur J. .... C  
 Hille, Einar ..... A  
 Hiscok, Ira V. .... NKQ  
 Hitchcock, David L. C  
 Hook, James W. .... DKM  
 Hooker, C.W. .... F  
 Horsfall, James G. . G  
 Horton, Donald .... H  
 Hovland, C.I. .... IQP  
 Hubbell, H.J. .... CFN  
 Hubbell, R.B. .... CN  
 Huntington, E. .... EKII  
 Jacobson, H.G.M. .... OG  
 Jenkins, R.H. .... N  
 Johnson, Carl E. .... NF  
 Jones, Donald F. .... GO  
 Kaufman, Miss C. FHK  
 Keach, De Witt T. . C  
 Kennard, M.A. .... N  
 King, Edward J. .... C  
 Knopf, Adolph .... E  
 Koenig, Samuel . KHQ  
 Kovarik, Alois F. . BA  
 Krynine, D.P. .... M  
 Liebow, Averill A. . N  
 Lippincott, S.W. .... N  
 Longwell, C.R. .... E  
 Lutz, H.J. .... GO  
 McCormick, Miss F.A. GO  
 McKeehan, L.W. .... B  
 Madison, Ryland . NC  
 Man, Evelyn B. .... NFC  
 Marquis, D.G. .... I  
 Marshall, Clyde . FNH  
 Marshall, Rush P. . G  
 Mathewson, C.H. CMQ  
 May, Marka ..... IQK  
 Merriman, Daniel . F  
 Miles, C.C. .... IHN  
 Miles, Egbert J. .... A  
 Miles, Walter R. .... I  
 Moore, Underhill KHI  
 Morgan, M.F. .... OCG  
 Morse, Arthur .... N  
 Mower, O.H. .... I  
 Murray, John H. GEI  
 Musselman, Luther N  
 Nahum, Louis H. .... N  
 Nicholas, J.S. .... F  
 Northrop, F.S.C. . BAL  
 Opton, Edward .... F  
 Ore, Oystein .... A  
 Osgood, Cornelius HKI  
 Oughterson, A.W. . N  
 Page, Leigh ..... B  
 Parr, Thaddeus .... FO  
 Paul, John R. .... N  
 Peck, Robert L. .... CN  
 Peters, John P. .... NQ  
 Petrunkovitch, Alex. F  
 Pfeiffer, Carroll A. F  
 Pickford, Grace E. . F  
 Pond, Miss Millicent I  
 Poulson, D.F. .... F  
 Powers, Grover F. NQ  
 Rakieten, Nathan . FC  
 Record, Samuel J. GO  
 Rettger, Leo F. .... G  
 Rosahn, Paul D. .... N  
 Roselle, Ernest N. . O  
 Rosen, W.B. .... ABC  
 Rowell, Miss D.C. QIG  
 Rudnick, Miss D. .... F  
 Ruebush, T.K. .... FG  
 Russo, J.D. .... N  
 Schlesinger, Frank . D  
 Schuchert, Charles . E  
 Scott, Chas. F. .... M  
 Sill, Miss Jane B. IQK  
 Sinnott, E.W. .... G

## New Haven, Cont'd.

Slate, William L. .... O  
 Smith, Emil L. .... CGF  
 Smith, G.H. .... N  
 Spaulding, Perley . G  
 Spitzer, L.Jr. .... DBA  
 Stone, L.S. .... NF  
 Taylor, R.F. .... OG  
 Thompson, Helen . INA  
 Tilton, J. Warren . OI  
 Tracey, J.I. .... AD  
 Trask, James D. .... N  
 Turner, H.M. .... MBC  
 Uhler, Horace S. .... BA  
 Valley, George . NCO  
 VanName, R.G. .... C  
 Warren, C.H. .... E  
 Waterman, A.T. . BDC  
 Waterman, Miss A.M. . G  
 Watson, W.W. .... B  
 Whitehead, R.H. .... M  
 Wieland, G.R. .... EFG  
 Wilhelm, A.E. .... N  
 Winkler, Alexander N  
 Winslow, C.E.A. .... N  
 Winter, Floyd L. . OG  
 Winternitz, M.C. .... FL  
 Woodruff, L.L. .... FL  
 Yerkes, R.M. .... THF  
 Yudkin, A.M. .... CFN  
 Zeleny, John .... B  
 Zentmyer, G.A. Jr . GO  
 Zinn, Donald J. .... FG

## New London

Avery, G.S., Jr. .... G  
 Bindloss, Miss E. .... G  
 Bliven, Joseph E. .... C  
 Blunt, Katharine . C  
 Botsford, Miss E.F. FN  
 Chaney, Miss M.S. NC  
 Creighton, H.B. .... G  
 Dederer, P.H. .... F  
 Gardner, John W. .... I  
 Hausman, Miss S.A. F  
 Kelly, Miss M.W. .... C  
 Leib, David D. .... A  
 McKee, Miss Mary C. C  
 Miller, D.S. .... F  
 Sanchez y Escribano, Federico . LQK  
 Seward, John P. .... I

## New Milford

Woolley, Helen T. . IQ

## New Preston

Kleiner, Israel S. . NC  
 Newcomb, H.T. .... K

## Noank

Danforth, R.E. .... FH

## Norfolk

Walcott, F.C. .... KP

## Northford

Smith, Clara E. .... A

## Norwalk

Hill, George R. .... CQF  
 Powell, Thos.H. .... BC

## Old Greenwich

Brooks, B.T. .... C

## Old Lyme

Kovalenko, M.S. . DAO  
 McCulloch, W.S. .... N  
 MacCurdy, G.G. .... H

## Orange

Whitney, Leon F. . FN

## Pine Orchard

Doane, S.E. .... M  
 Smith, G.M. .... N

## Plainville

Cook, George .... NFG

## Pomfret Centre

Brock, Henry M. . BLO  
 Means, Philip A. .... H

## Ridgefield

Hitchcock, C.B. .... E

## Riverside

Niedercom, J.G. . CNF

## Rockville

Raisch, George F. . NFG

## Sandy Hook

Roger, Henry ... BMN

## Saugatuck

Tilden, Chas J. .... MQ

## Saybrook

Pratt, Alexander . III

## Short Beach

Prickett, Cavett O. . NC

## Somers

Key, W.E. .... FKQ

## South Norwalk

Goldsbrough, W.E. . KBM  
 Kimball, Frank . CNB

## Stafford Springs

Barrows, Miss F.L. . GNC

## Stamford

Ayres, G.B. .... NCB  
 Bacon, Jack C. .... C  
 Bromley, Mrs. S.W. . GOQ

Cassady, Mrs. J.T. .... C  
 Dondlinger, P.T. . KPII  
 Felt, Ephraim P. .... F  
 Fisher, Harry L. .... C  
 Getman, F.H. .... BC  
 Hammeis, M.J. .... M  
 Huntington, Miss E. . NFC

Jehle, Ferdinand .... M  
 Kreider, D. Albert . B  
 Moore, William . FO  
 Payne, Nellie M. . FCN  
 Roblin, R.O., Jr. .... CN  
 Rochow, T.G. .... CEB  
 Shepard, N.A. .... CBO  
 Stiegler, I.L.W. .... C

## Stonington

Williams, C.M. . NOH

## Storrs

Amundsen, L.II. .... C  
 Bousfield, W.A. .... IN  
 Brown, B.A. .... OCG  
 Bushnell, R.J. .... FG  
 Cheney, Wm.F., Jr. . ADE

DeCoursey, R.M. .... F  
 Dodge, Richard E. .... E  
 Dorsey, Henry .... E  
 Ferguson, L.W. .... OI  
 Gentry, C.B. .... QOI  
 Jorgensen, A.N. .... O  
 Jungherr, Erwin L. . N

<b>Storrs, Cont'd.</b>	<b>Wallingford</b>	<b>West Hartford, Cont'd.</b>	<b>Wethersfield</b>
Kulp, W.L. ....N	Cran, Jason ....ABD	Furniss, H.W. ....N	Stempa, Henry ....NC
Landauer, Walter ..F	Morris, Wm H. ... N	Guest, H.H. ....C	<b>Wilton</b>
Mackay, D.C.G. ...FIH	Pierce, A.L. ....M	Jacquith, H.C. ....IKL	Kellogg, Royal S. OEG
Mauter, J.A. ....F	Powell, P.H. ....MAB	McDonough, Sister M. ....IK	Winton, Kate B .. GC
Schulze, A.F. ....FG	<b>Waterbury</b>	Rosa .....	<b>Windham</b>
Thigpen, Lorna W. ...F	Davis, A.L. ... MHK	Merrill, D.G. ....M	Ottenheimer, E.J. ...N
Tortey, G.S. ....G	Davis, E.H. ....K	Rogers, C.E. ...MDA	<b>Windsor</b>
Wallace, R.H. ....G	<b>West Cornwall</b>	<b>Westport</b>	LeCompte S.B., Jr., ...GCO
<b>Stratford</b>	Gold, T.S. ....OFG	Fraad, H.O. ....MNE	Morrill, A.W., Jr. ...F
Nikolsky, Alex. ....M	Kunkel, B.W. ....F	Fry, Henry J. ....FG	<b>Winsted</b>
<b>Suffield</b>	<b>West Hartford</b>	Ham, Mrs. E.S. ....N	Bond, F.D. ....KB
McComb, Emily E. ..N	Crossley, F.T. ....M	Palmer, R.N. ....BCM	
Norton, John Pease ..K	Cunningham, J.M. ....NIH	Pascal, H.S. ....NO	
<b>Torrington</b>	Emeison, E.I. ....CN	Sproat, Ira E. ....MEP	
Upson, W.L. ....MQ		Sterling, Edward C. ...C	
		von Phul, Wm. ...M	
		Wadsworth, D.L. DGF	

## DELAWARE

<b>Dover</b>	<b>Newark, Cont'd.</b>	<b>Wilmington, Cont'd.</b>	<b>Wilmington, Cont'd.</b>
Hanson, H.H. ...CGF	Robinson, W.J. ....G	duPont, Pierre S. ....P	Perry, John H. ....CM
<b>Farmhurst</b>	Spencer, R.L. ....M	Ford, Miss F.M. ....C	Power, J.T. ....CBA
Jastak, Joseph ....IQ	Still, Esther D. ....GF	Foulger, John H. ....NBC	Ries, E.D. ....CM
Lawrence, B.G. ....NIK	<b>Richardson Park</b>	Given, Guy C. ....CPM	Rose, Henry E. ....CP
<b>Marshallton</b>	Kauffman, G.E.C. BCD	Hanford, W.E. ....C	Rose, Robert E. ....CO
Kraemer, E.O. ....CB	<b>Westover Hills</b>	Holbrook, G.E. ....CM	Rossander, S.S. ...CMN
<b>Newark</b>	Gladding, E.K. ...CEN	Humphrey, L.W. ...CGE	Salisbury, L.F. ...CQN
Crooks, Ezra B. ...KIH	<b>Wilmington</b>	Jackson, W.F. ....C	Schupp, O.E. Jr. ....CB
Detjen, L.R. ....OG	Bartlett, E.P. ....CE	Jones, F.M. ....F	Segel, Joseph ....MBC
Drake, Miss O.C. ...CN	Brown, H.F. ....C	Jordan, Henry ....CN	Sikorski, J.L. ....NCI
Dyer, Elizabeth ....C	Brubaker, M.J. ...CNF	Katz, David ....ABC	Smith, Julian F. ....C
Fischer, A.J. ....NCB	Callahan, M.J. ....CBL	King, Kenneth T. ....C	Starkweather, H.W. ...C
Graustein, J.E. ....G	Carter, A.S. ....CO	Krebs, A. Sonnin ...M	Tanberg, A.P. ....C
Greenwald, D.U. ...MI	Chambers, A.D. ....C	Lawson, W.E. ....C	Tanner, H.G. ....CBE
Harris, H.C. ....OGC	Chilton, T.H. ....CM	Lenher, Samuel ....CB	Tatnall, R.R. ....GMB
Houghton, F.C. ....GF	Chubb, John E. ....MA	Lincoln, E.E. ....K	Taylor, Guy B. ....C
McCue, C.A. ....FGO	Clark, John A. ....M	Lippert, A.L. ....C	Tinker, J.M. ....CMP
McDonald, Ellice ...N	Dietz, Harry F. ....F	Lontz, John F. ....C	Tisdale, W.H. ....G
McDougle, Miss E.A., ...AB	Dodge, Ralph L. ...CBM	McDermott, F.A. ....C	Whitten, R.K. ...CMB
Manns, T.F. ....G	Dreyer, Nicholas B. NC	Morris, Harold H. ....C	Whitten, W.M. ...CKG
Oberlin, K.W. ....I	duPont, Irenece ....P	Moss, Lowell I.R. ....C	Wills, W.A. ....MCE
		Mueller, A.C. ...CMB	Woodward, H.E. ....C
		O'Leary, D.K. ....G	Worthington, H. ...MC
		Ott, Emil ....C	Wuertz, A.J. ....C

## DISTRICT OF COLUMBIA

<b>Washington</b>	<b>Washington, Cont'd.</b>	<b>Washington, Cont'd.</b>	<b>Washington, Cont'd.</b>
Aamodt, Olaf S. ....OG	Bacon, C.W. ....CGO	Bickel, Beatrice ..HN	Brockett, Paul ....BH
Abbot, Charles G. ...DB	Bain, Henry F. ....G	Binford, H.F. ...MBA	Brooks, Charles ....G
Abegg, Fred A. ....GO	Baker, Charles S. ...K	Bishop, C.W. ....HLE	Brown, Alice L. ...FCN
Abel, James F. ....IQ	Baldwin, Mark. ...OEG	Bittinger, Charles ..B	Brown, Miss I.C. ...HK
Ableiter, J.K. ....OEG	Ball, Carleton R. OGK	Blackman, M.W. ...F	Brown, Miss N.A. ...G
Acree, Mrs. E.G. ....N	Barber, H.G. ....F	Blakely, Charles F. ....N	Brown, Roland W. ...E
Acree, Mrs. R.J. ...GO	Barber, Herbert S. ...F	Bliss, R.W. ....KIL	Browne, C.A. ....C
Adams, L.H. ....C	Barnett, Miss C.R. OFG	Bloedorn, W.A. ....N	Browne, L.McD. ...C
Adams, Numa P.G. NC	Barre, Henry W. ...GO	Blum, H.F. ....NFB	Brumbaugh, Miss Z.B. ...CBF
Adams, Oscar S. ...ABE	Barris, Ralph W. ...N	Blum, William ....C	Buck, Solon J. ....L
Aldrich, Loyal B. ...BD	Barrows, A.L. ....F	Boas, Auguste ....CN	Bundick, Miss H.E., ...QFD
Alexander, Lucy M. ...C	Barss, H.P. ....GO	Bomhard, Miriam L. G	Bunting, E.N. ....BC
Allison, F.E. ....CGN	Bartsch, Paul ....F	Boher, L.E. ....C	Bunton, Paul B. ....E
Alpher, Isadore M. ...N	Barwick, Arthur R. DE	Borgstrom, Parry CO	Burbank, W.S. ....E
Anderson, Miss A.M. G	Bashore, Harry W. MO	Bourland, L.T. ...BM	Burda, Francis X. ...B
Anderson, A.C. ....O	Bassler, Ray S. ...EFG	Bowman, Paul W. ...GF	Burlew, John S. ...CB
Anderson, M.S. ....CO	Bates, P.H. ....C	Bradley, Mary A. FGO	Burton, H.E. ....DAB
Anderson, M.B. ...NF	Bates, Roger G. ....C	Bradley, W.H. ....E	Bush, Vannavar ...M
Andrews, David A. ...E	Beal, W.H. ....CO	Bradt, Paul ....ABC	Bushnell, D.I. Jr. ...H
Armstrong, Charles N	Beass, Miss Esther C	Brand, Charles J. CGK	Byington, L.B. ...NFE
Arnaud, Miss E. ...CEI	Beckwith, Miss A.M. G	Brandt, A.E. ...KOF	Callis, H.A. ....NK
Arnau, Joseph J. BDC	Beckedahl, Norman C	Branham, S.E. ...NFC	Callister, George I. ...
Ash, J.E. ....N	Beil, Mrs. C.J. ....KOG	Breen, Miss M.C. QEF	Calvery, Herbert O. NC
Ashby, Winifred M. ...N	Beil, E.J., Jr. ....F	Breg, W.Roy ....O	Campbell, R.S. ...GFO
Atwater, Miss H.W., ...KO	Beil, William E. ....N	Brickwedde, F.G. ECA	Capps, Brother E.R., ...FNO
Auchter, E.C. ....GO	Bengtson, Ida A. ....N	Briese, R.R. ....CBO	Cardon, P.V. ....OK
Avers, H.G. ....MDE	Bennett, R. II. ....MA	Briggs, Lyman J. ...B	Carl, Howard F. ...BDC
Back, Ernest Adna ...F	Bernstein, B. ....GFC	Brimlyer, G.J. ...FHN	
Backus, Cyrus D. MBA	Bernton, H.S. ...NOC	Brimhall, Dean R. ...I	
	Beum, C.O., Jr. ...MTK	Britt, S.H. ....IK	

## Washington, Cont'd.

Carter, Hugh ..... KHI  
 Cash, Miss E. K. .... G  
 Cash, Miss L. C. .... OG  
 Cattell, Ware ..... FB  
 Chambers, M. M. .... OKL  
 Chambliss, C. E. .... FGO  
 Chapline, W. R., Jr. .... GO  
 Charles, Miss V. K. .... G  
 Chase, Mrs. Agnes ..... G  
 Chase, F. M. .... G  
 Chase, H. Y. .... FN  
 Chatfield, C. .... CAO  
 Cheney, W. L. .... B  
 Christie, A. C. .... N  
 Christie, J. R. .... F  
 Churchill, W. S. .... F  
 Clark, A. H. .... F  
 Clark, J. Allen ..... O  
 Clark, K. G. .... CMO  
 Clark, Mrs. L. F. .... F  
 Clarke, John J. .... F  
 Clarke, W. F. .... C  
 Clausen, Curtis P. .... F  
 Clayton, Edward E. .... GO  
 Cobb, W. M. .... HNI  
 Coblenz, W. W. .... BD  
 Coe, Fred O. .... N  
 Coe, Mayne R. .... C  
 Coffman, F. A. .... OFG  
 Colcord, Miss M. .... FOG  
 Collier, F. W. .... IO  
 Collingwood, Harris O. .... G  
 Collins, Elmer E. .... NF  
 Collins, Henry B., Jr. .... H  
 Collins, W. D. .... CE  
 Colton, F. B. .... E  
 Commins, W. D. .... IO  
 Compton, Wilson KBM  
 Conger, Paul S. .... FG  
 Conniff, Father A. .... FG  
 Conn, Nathan A. .... MBC  
 Connolly, C. J. .... FH  
 Cook, Orator F. .... GOO  
 Cooke, C. Wythe ..... E  
 Cooley, J. S. .... G  
 Cooper, G. Arthur ..... E  
 Cooper, John M. .... HK  
 Cooper, Stewart R. .... C  
 Coppola, Vincenzo ..... C  
 Corse, W. M. .... MC  
 Cottam, Clarence ..... FG  
 Cottrell, F. G. .... C  
 Coulson, E. Jack ..... CN  
 Coulter, A. Barklie ..... N  
 Cover, John H. .... K  
 Coyer, David C. .... M  
 Craighead, F. C. .... F  
 Cram, Miss E. B. .... FN  
 Crandall, Bowen S. .... OG  
 Creel, Cecil Willis ..... O  
 Creswell, George W. .... N  
 Crider, F. J. .... GO  
 Crittenden, E. C. .... BM  
 Croxton, Fred C. .... K  
 Crozier, William ..... KM  
 Crum, R. W. .... MK  
 Cruse, A. W. .... MBA  
 Cullinan, F. P. .... OG  
 Cummings, H. K. .... BC  
 Cuniff, Miss H. S. .... OGE  
 Curtiss, L. F. .... B  
 Dante, John H. .... EF  
 Darnall, J. R. .... N  
 Darton, Nelson H. .... E  
 Davidson, Jehiel ..... CO  
 Davis, Dorland J. .... N  
 Davis, H. S. .... F  
 Davis, R. O. E. .... CBO  
 Davis, Watson ..... M  
 Dayton, William A. .... G  
 Dean, H. Trendley ..... Nd  
 Dean, Horace S. .... N  
 Deignan, S. L. .... N

## Washington, Cont'd.

Delano, Frederica A. M  
 Dewey, Lyster H. .... GO  
 Dickinson, H. C. .... B  
 Dickson, A. M. .... KO  
 Diehl, William ..... G  
 Diller, Jesse D. .... GOH  
 Dodman, Arthur C. .... GO  
 Dodek, Samuel M. .... MKI  
 Donovan, John E. .... C  
 Dorsey, H. G. .... F  
 Dorsey, N. Ernest BAN  
 Douglas, Charles ..... BA  
 Doyle, Mrs. M. H. .... OEG  
 Dreis, Miss T. A. .... IHK  
 Driscoll, Miss C. .... BDA  
 Drury, H. F. .... NFG  
 Dryden, Hugh L. .... B  
 Dunbar, R. C. .... ACD  
 Duncan, G. S. .... HIL  
 Dunn, H. L. .... KN  
 Dunn, Matthew A. .... N  
 Dunn, W. LeRoy ..... N  
 Duvel, Joseph W. T. .... OG  
 Dyer, Helen M. .... NC  
 Dyer, R. Eugene NFH  
 Eberle, Eugene G. .... CN  
 Eddy, Bernice E. .... NCF  
 Eddy, Nathan B. .... Np  
 Edson, H. A. .... GC  
 Edwards, Harry T. .... GO  
 Edwards, L. N. .... MEQ  
 Elliott, Charlotte ..... G  
 Ellis, George R. .... Nd  
 Ellis, Ned R. .... NCO  
 Elward, Joseph F. .... N  
 Emery, Alden H. .... CEM  
 Emery, William O. .... C  
 Emmart, E. W. .... FN  
 Emmons, C. W. .... GN  
 Erwin, Henry P. .... HEF  
 Ethridge, C. B. .... N  
 Evans, Miss Alice C. .... N  
 Everett, Edward L. .... CN  
 Ewerhardt, Paul NIK  
 Ewing, Henry E. .... F  
 Fairhall, L. T. .... C  
 Falk, I. S. .... NK  
 Fay, Allan B. .... MAC  
 Fee, Jerome ..... M  
 Feiker, F. M. .... M  
 Felstein, Milton AMB  
 Felton, Lloyd D. .... NC  
 Fennessey, Sister St. J. .... CBN  
 Filkins, Silas L. .... N  
 Fischer, Richard P. .... E  
 Fischer, Walter ..... OKG  
 Fitch, Mary A. .... G  
 Fitzhugh, O. G. .... NC  
 Fletcher, C. C. .... Op  
 Flodin, John ..... M  
 Fort, Charles A. .... CO  
 Foster, M. D. .... CE  
 Foust, Miss F. K. .... GF  
 Fowler, Marvin E. .... G  
 Fracker, S. B. .... FG  
 Fradkin, W. S. .... CAF  
 Frank, Bernard ..... OKG  
 Frankfurter, F. .... KL  
 Frazier, E. F. .... K  
 French, Owen B. .... MD  
 Friedmann, H. .... FGE  
 Friedman, M. H. .... N  
 Fries, Amos A. .... DKL  
 Frisbie, W. S. .... CN  
 Fromme, Fred D. .... G  
 Fuchs, W. Barrett FGE  
 Fulcher, G. S. .... B  
 Fulton, H. R. .... GO  
 Furfey, Paul H. .... IKQ  
 Gafar, Wm. .... NA  
 Gaillard, D. P. .... K  
 Galtsoff, Paul S. .... F

## Washington, Cont'd.

Gardner, Miss Julia E  
 Garner, Clement L. .... E  
 Garner, W. W. .... GCO  
 Geary, James A. .... LH  
 Geltner, Carl ..... M  
 Gibson, K. S. .... BDE  
 Gilbert, W. M. .... QE  
 Gilbert, W. W. .... G  
 Gilchrist, Raleigh ..... C  
 Gile, Philip L. .... CO  
 Gish, Oliver H. .... BAE  
 Givens, Willard E. .... OK  
 Goldberg, M. .... ABM  
 Goldman, E. A. .... FG  
 Goldman, M. I. .... E  
 Gooch, Miss M. .... NF  
 Gould, H. P. .... OGF  
 Graf, J. E. .... F  
 Graham, James ..... QFG  
 Grassi, Carlo ..... G  
 Gravatt, Mrs. A. R. .... O  
 Graven, Philip S. .... KON  
 Gray, S. D. .... COP  
 Griffin, Edward L. .... C  
 Griffin, S. W. .... CGO  
 Griggs, Robert F. .... G  
 Grosvenor, Gilbert ..... E  
 Grubbs, Robert C. .... NF  
 Grunwell, G. B. .... MKE  
 Guthrie, John D. .... O  
 Haber, David ..... BA  
 Hadley, Ernest E. .... N  
 Hagan, Miss M. W. .... NKI  
 Haig, I. T. .... O  
 Hain, Elmer L. .... M  
 Haines, George ..... OFC  
 Hall, Roscoe W. .... NB  
 Hall, Wallace L. .... CBI  
 Hallauer, F. J. .... MGO  
 Haller, H. L. .... C  
 Hamer, Walter J. .... CAB  
 Hamilton, W. M. .... AD  
 Handley, F. Jr. .... N  
 Hankins, O. G. .... FO  
 Hansborough, L. A. .... F  
 Hansen, Ira B. .... FN  
 Harding, Miss F. M. .... F  
 Harding, T. S. .... KON  
 Hardy, J. L. .... OFC  
 Harlan, Harry V. .... O  
 Harley, James L. .... FGO  
 Harned, R. W. .... FOO  
 Harradon, H. D. .... B  
 Harris, Milton ..... CN  
 Hartley, C. P. .... GOQ  
 Hartman, Olga ..... F  
 Haskell, Earle S. .... OKP  
 Haskell, R. J. .... G  
 Hastings, S. H. .... O  
 Hawkesworth, A. S. .... A  
 Haworth, Ellis ..... CB  
 Haynes, Miss M. E. .... GOF  
 Headley, Roy ..... IK  
 Heck, N. H. .... MEB  
 Hedges, Miss F. .... G  
 Hegarty, C. P. .... CNO  
 Hein, M. A. .... OGC  
 Heinrich, Carl ..... F  
 Hektoen, Ludwig ..... N  
 Henbest, Lloyd G. .... E  
 Henderson, E. P. .... ECM  
 Hepler, Joseph ..... F  
 Herbert, Miss M. N. .... FGO  
 Herzfeld, Karl F. .... BCA  
 Hess, Frankl. .... CN  
 Hess, Walter C. .... E  
 Hewett, D. F. .... E  
 Heyl, Paul Renno ..... B  
 Higgins, M. E. .... KN  
 Hilbert, Guido E. .... CNG

## Washington, Cont'd.

Hildebrand, S. F. .... F  
 Hillman, C. C. .... N  
 Hird, John D. .... CNP  
 Hirsch, N. D. .... FIK  
 Hock, Charles W. .... GFC  
 Hodges, F. Allen ..... G  
 Hodgkins, G. W. .... QIK  
 Holland, Miss D. F. .... NK  
 Holm, George E. .... C  
 Hooker, William A. .... O  
 Horn, Alan R. .... M  
 Hough, Francis Z. .... CMP  
 Howard, Burton J. .... CG  
 Howard, Charles S. .... CE  
 Howard, L. O. .... FNO  
 Howe, H. E. .... C  
 Howe, Paul E. .... CNO  
 Howell, L. D. .... KO  
 Howes, Edward L. .... N  
 Hrdlicka, Ales ..... H  
 Hubbard, Donald ..... C  
 Huettig, H. G., Jr. .... C  
 Hulbert, E. O. .... B  
 Humphrey, H. B. .... G  
 Humphreys, W. J. .... BD  
 Hunt, Miss Thelma ..... I  
 Hunter, Oscar B. .... N  
 Hurst, Julius H. .... HN  
 Ingberg, S. H. .... MBA  
 Irish, Oliver J. .... NCF  
 Jackson, H. H. T. .... FQ  
 Jamieson, George S. .... C  
 Jardine, James T. .... GO  
 Jenkins, Anna E. .... G  
 Jenkins, George B. .... FN  
 Jenkins, Merle T. .... OG  
 Jenks, Glen F. .... MKB  
 Jodrid, S. L. .... DCG  
 Joerg, W. L. G. .... EK  
 Johnson, Aaron G. .... G  
 Johnson, E. C. .... KOD  
 Johnson, J. Monroe ..... M  
 Johnson, Joseph L. .... N  
 Johnston, Earl S. .... GB  
 Johnston, Francis A. .... A  
 Jones, D. Breese ..... NC  
 Jones, J. W. .... O  
 Jones, J. Leslie ..... BC  
 Jones, Miss M. F. .... FN  
 Jones, Victor H. .... E  
 Judd, C. H. .... IQ  
 Judd, Neil M. .... II  
 Judson, Lewis V. .... B  
 Just, E. E. .... F  
 Kane, Howard F. .... N  
 Kang, Run Po ..... MBA  
 Karger, Miss T. .... N  
 Karpman, B. .... NKF  
 Karrer, A. M. H. .... G  
 Kates, K. C. .... FG  
 Kaufman, Paul ..... IKL  
 Kauffmann, Miss G. .... CN  
 Kear, Frank G. .... MA  
 Keane, Thomas I. .... G  
 Kebler, Lyman F. .... CNI  
 Keenan, George L. .... CG  
 Keith, Arthur ..... E  
 Kellogg, C. E. .... OEC  
 Kelly, E. F. .... NpC  
 Kelsner, Raymond A. .... N  
 Kempf, Grover A. .... N  
 Kerbey, McFall ..... EK  
 Key, Miss Cora B. .... I  
 Kieck, C. C. .... DB  
 Killip, E. P. .... GE  
 Kincer, J. B. .... E  
 King, H. D. .... MBE  
 Kinnear, E. R. .... MOA  
 Kirk, Edwin ..... E  
 Kirk, Miss M. M. .... C  
 Kirkland, Burt P. .... O

## Washington, Cont'd.

Klinefelter, T.A. HLE  
 Klump, Theodore G N  
 Knechtel, M.M. ....E  
 Knight, H.G. ....OC  
 Knight, H.L. ....O  
 Koppansy, T. ....FNP  
 Koschmann, A.H. ....E  
 Kossakoff, A.I. ....C  
 Kraft, C.F. ....M  
 Kraskin, Lewis H. NC  
 Kunz, Walter B. CBA  
 Kyle, Curtis H. ....GO  
 Ladd, Harry S. ....EF  
 Lamb, R.S. ....NH  
 Lambert, W.D. ....ABE  
 Lang, W.B. ....EBM  
 Langenstrass, K.H. N  
 Latham, W.B. ....OK  
 Larkin, Sister J. FGN  
 Larimer, W.H. ....C  
 Lattman, Isidore ....N  
 Laug, Edwin P. ....C  
 Lauitzen, J.I. ....G  
 LeClere, J.A. ....COG  
 Leese, Chester E. ....N  
 Leimbach, L.R. ....C  
 Leland, Waldo G. ....L  
 Leonard, Emery C. ....G  
 Leonard, L.T. ....OGC  
 Lewis, David J. ....BH  
 Lewis, Mrs. I.M. DAB  
 Ligon, E.W., Jr. ....NF  
 Likert, Rensis ....IHK  
 Littell, Frank B. ....DA  
 Littlehales, G.W. ....DEM

Loftin, U.C. ....FO  
 Lohman, K.F. ....EBF  
 Long, Howard H. ....I  
 Loomis, Charles P. KO  
 Loomis, Henry M. ....C  
 Lorenz, Roland C. GO  
 Lorimer, Frank ....K  
 Loughlin, G.P. ....E  
 Lowdermilk, W.C. ....GO  
 Ludwig, C.A. ....GO  
 Lunn, E.G. ....CB  
 Lyle, S.P. ....OM  
 Lyon, J.A. ....N  
 McAdam, D.J., Jr. ....MBC

McAllister, A.S. MBQ  
 McCall, A.G. ....CGO  
 McCauley, D.V. ....IN  
 McClellan, W. ....M  
 McClelland, H.M. MB  
 McComas, E.W. OKM  
 McComb, H.E. ....BCE  
 McCubbin, W.A. ....G  
 McDaniel, A.S. ....CG  
 McDarmont, C. DHL  
 McDonald, W.F. ....BE  
 McDonnell, C.C. CFG  
 McDuffie, Mrs. I.T. FG  
 McGovern, J.P. ....CP  
 McGuire, C.E. ....KLP  
 McGuire, J.W. ....EIL  
 McHale, Kathryn QIH  
 McHenry, D.E. ....FG  
 McIntosh, Allen ....F  
 McIntosh, James CBG  
 McMurtrey, J.E. GCO  
 McNally, Paula DAB  
 McPhee, Hugh C. FGO  
 McPherson, A.T. ....C  
 Magistad, O.C. ....CO  
 Magnusson, Leifur K  
 Mallory, W.J. ....N  
 Mann, C.R. ....BQ  
 Manning, H.M. ....N  
 Mansfield, G.R. ....E  
 Marlatt, C.L. ....FKO

## Washington, Cont'd.

Marmer, H.A. ....EMA  
 Marsh, F.W. ....COG  
 Martel, Charles LKI  
 Martin, J.F. ....FGO  
 Martin, J.M. ....FIN  
 Martin, John H. ....O  
 Martin, Laura H. ....E  
 Marvin, Charles F. BE  
 Mason, A.H. ....DM  
 Matlack, M.B. ....CG  
 Matthes, F.E. ....E  
 Matz, Julius ....G  
 Maxon, William R. G  
 May, F.H. ....FGE  
 Mayer, Joseph ....KLA  
 Meenes, Max ....IHN  
 Megges, W.F. ....BD  
 Meizner, O.E. ....E  
 Melvin, Bruce L. ....K  
 Merriam, John C. EF  
 Merrill, M.C. ....GOC  
 Merz, Albert R. ....C  
 Metz, Sister A.M. BCA  
 Meyer, Eugene ....B  
 Meyer, J. Franklin B  
 Miller, A.W. ....NO  
 Miller, G.S., Jr. ....F  
 Miller, Howard S. MB  
 Miller, K.E. ....N  
 Miller, Lula A. GFO  
 Millsaps, Vera ....GF  
 Milone, Henry S. CN  
 Miser, H.D. ....E  
 Mitchell, Charles L. E  
 Mitchell, Hugh C. ....D  
 Mitman, Carl W. ....M  
 Moffit, Fred H. ....E  
 Mohler, Fred L. ....B  
 Moore, Paul ....C  
 Moore, Riley D. HNK  
 Moore, Thomas V. ....I  
 Morehouse, A.D. MEO  
 Morgan, Herbert R. D  
 Morrison, B.Y. ....OG  
 Morrison, Harold ....C  
 Mosettig, Erich ....CN  
 Moulton, F.R. ....AD  
 Moulton, Harold G. K  
 Muesebeck, C.F.W. F  
 Munns, E.N. ....GOE  
 Munsell, Hazel E. ....C  
 Musgrave, Geo. W. ....O  
 Musil, Miss A.F. ....G  
 Myer, Walter E. ....K  
 Myers, C.S. ....CN  
 Naeser, Charles R. C  
 Nagy, Stephen ....D  
 Nelson, Elmer M. CO  
 Neustadt, M.H. ....C  
 Nevins, Ruby ....QI  
 Newhouse, L.R. NCB  
 Nickerson, Miss D. ....BIO

Nikiforoff, C.F. ....O  
 Nixon, Alfred F. FGO  
 Northrop, J.D. EMH  
 Nutting, P.G. ....ABC  
 Oberholser, H.C. FE  
 Odiome, J.M. ....FN  
 Olmstead, L.B. ....BO  
 Olson, Henry W. ....F  
 O'Neill, Helena IHN  
 O'Neill, Hugh T. ....G  
 Oppenheimer, E. NKH  
 Orange, J. ....FCG  
 Orr, Leslie W. ....FCG  
 Osgood, Wm. R. MQA  
 O'Toole, G.B. ....F  
 Ottinger, Miss B. N  
 Overholser, W. ....N  
 Packard, C.M. ....F  
 Packchianian, A. NFC

## Washington, Cont'd.

Palkin, Samuel ....C  
 Palmer, Arthur W. ....K  
 Palmer, Theodore S. F  
 Parent, Joseph D. CM  
 Parker, Miss B.M. ....LOF  
 Parker, Charles S. ....G  
 Parker, H.C. ....CBM  
 Parker, J.C. ....C  
 Parker, J.B. ....FG  
 Parr, Leland W. ....NH  
 Parrott, Robert P. B  
 Parsons, C.L. ....C  
 Patterson, W.D. ME  
 Pawling, Jesse DAB  
 Payne, John Howard ..  
 Peacock, Fred L. ME  
 Pearson, Norma L. G  
 Pease, V.A. ....GCO  
 Petersen, T.C. ....LH  
 Petrullo, Luigi IKH  
 Phillips, Frank M. KO  
 Pienkowsky, A.T. B  
 Piggot, C.S. ....CBE  
 Pillsbury, H.C. ....N  
 Pittman, Margaret N  
 Poindexter, H.A. ....N  
 Poland, W.B. ....KME  
 Pope, Merritt N. ....GO  
 Potter, Charles H. ....C  
 Prescott, B. ....CN  
 Price, Emmett W. FN  
 Proffitt, Max J. CMF  
 Putnam, George R. M  
 Rabak, Frank ....CG  
 Raines, M.A. ....GFO  
 Rand, F.V. ....GOF  
 Rands, R.D. ....GO  
 Rappleye, H.S. ....A  
 Rappolt, John ....C  
 Rauth, J. Edward ....IH  
 Rawlins, G.M., Jr. CBG  
 Reading, O.S. ....MK  
 Reed, John A. ....N  
 Reed, John B. ....C  
 Reed, O.E. ....O  
 Reed, Paul Lyon KM  
 Rees, Charles W. NF  
 Reeves, Floyd W. QIK  
 Rehder, Harald A. FE  
 Reid, M.E. ....C  
 Remley, R.D. ....GL  
 Remmlen, M.K. IKO  
 Reynolds, D.S. CBM  
 Rice, Francis O. ....C  
 Richards, R.W. ....EM  
 Richmond, W.V. ....I  
 Ricker, M.G. ....FG  
 Ricker, P.L. ....G  
 Riggs, Charles E. N  
 Riley, Wm. G. ....ADC  
 Roark, R.C. ....C  
 Roberts, F.H.H. ....H  
 Roberts, H.S., II BC  
 Roberts, Richard B. B  
 Robertson, A.J. ....D  
 Robinson, W.O. ....OC  
 Roe, Joseph H. ....CN  
 Rohde, George ....FGB  
 Rolbiecki, John J. FGI  
 Romaine, Jesse D. OGC  
 Rones, Benjamin N  
 Rooney, W.J. ....MB  
 Rosander, A.C. IOK  
 Ross, John Kerr EKO  
 Rose, Julian Waldo N  
 Rossini, F.D. ....CB  
 Rossman, Joseph C  
 Roth, George B. ....Np  
 Rothermel, J.J. ....BIO  
 Rothery, J.E. ....MOE  
 Rouzitsky, P.M. KME

## Washington, Cont'd.

Rowse, Roger C. MEA  
 Rubey, W.W. ....E  
 Ruch, G.M. ....IO  
 Rudd, Miss V.E. GEO  
 Ruediger, W.C. ....IO  
 Russell, Carl ....FLH  
 Ryan, Alden H. ....B  
 Sackett, Robert See I  
 Salmon, S.C. ....O  
 Sanders, Joseph BMK  
 Sandhouse, Grace F  
 Sando, W.J. ....OG  
 Sasscer, E. Ralph F  
 Sasuly, Max ....KAB  
 Saylor, L.W. ....FG  
 Sayre, A. Nelson E  
 Schaller, W.T. ....CEM  
 Schell, Edward J. ....CO  
 Schertz, F.M. ....CM  
 Schmeckebier, L.F. ....KLE  
 Schmidt, A.F.W. ....LFH  
 Schmitt, Waldo L. ....H  
 Schoening, H.W. ....NO  
 Schreiner, Oswald ....CGO  
 Schule, Paul A. ....N  
 Schultz, L.P. ....FGC  
 Schultz, Mark P. NHL  
 Schureman, Paul E. E  
 Schwartz, B. ....FN  
 Scofield, Carl S. GEO  
 Scott, Arnold H. ....B  
 Scott, Leo W. CAB  
 Searle, Mrs. H.R. F  
 Sedky, Abdalla CGO  
 Seeger, R.J. ....BL  
 Seidel, Atherton C  
 Setzler, F.M. ....H  
 Shackelford, Miss Laura ....B  
 Shankland, S.D. ....Q  
 Shantz, H.L. ....G  
 Shappiro, Sol ....CM  
 Sharpe, C.F.S. ....E  
 Sharple, C.L. ....I  
 Shea, J.P. ....IOK  
 Shear, C.L. ....GLO  
 Shelton, G.R. ....AM  
 Shepherd, W.T. IKO  
 Shoemaker, C.R. F  
 Sickman, D.V. ....C  
 Siddons, F.P.H. ....C  
 Siler, J.F. ....NFI  
 Silk, Samuel A. ....NIH  
 Silsbee, Francis B. BM  
 Simmons, C.S. ....OEC  
 Simmons, James S. N  
 Sims, Ivan H. ....FGO  
 Skelley, Sister C.J. ....FGH  
 Smith, Francis A. CB  
 Smith, Harold H. GF  
 Smith, H.A. ....KOL  
 Smith, Hugh M. ....FN  
 Smith, James E. ....MQ  
 Smith, Lloyd E. ....CF  
 Smith, Lybrand MBA  
 Smith, M.I. ....Np  
 Smith, Nathan R. NG  
 Smith, P.S. ....E  
 Smith, Paula A. ....EM  
 Smith, Miss S.L. CNK  
 Smith, Ward ....E  
 Smither, F.W. ....CM  
 Snodgrass, R.E. F  
 Sohon, F.W. ....B  
 Sokolove, Henri K  
 Sollenberger, Paul D  
 Souder, Wilmer ....CN  
 Sparhawk, W.N. OK  
 Spence, Litter E. GEO

- Washington, Cont'd.**  
 Spencer, A.C. .... E  
 Spencer, D.A. .... OFG  
 Spencer, H.B. ....  
 Staack, J.G. .... ME  
 Stadnichenko, Miss Maria ..... E  
 Stadnichenko, T. .... CE  
 Stang, A.H. .... B  
 Stanton, T. Ray .... O  
 Stanton, T.W. .... E  
 Steele, J.G. .... OE  
 Steinberg, R.A. .... G  
 Steiner, Gotthold .... FG  
 Steiner, R.L. .... MK  
 Stejneger, Leonhard F ..... B  
 Stephenson, E.B. .... B  
 Stephenson, L.W. .... E  
 Stevenson, J.A. .... G  
 Steward, J.H. .... H  
 Stewart, Andrew .... C  
 Stewart, G.R. .... O  
 Stewart, Morris A. ....  
 Stimson, Harold F. .... B  
 Stirling, M.W. .... HI  
 Stitt, E.R. .... N  
 Stockberger, W.W. ....  
     GKO  
 Stokes, A.P.D. .... GEO  
 Stokley, James .... DLB  
 Stone, Alan .... FN  
 Stone, Miss R.E. .... KLH  
 Storey, Arthur .... QGF  
 Stowell, H.T. .... CB  
 Straus, Mrs. M.W. ....  
 Strauss, Samuel .... FG  
 Striker, M.M. .... OE  
 Sullivan, M.X. .... CNO  
 Sumner, F.C. .... IK  
 Sumwalt, M. .... NF  
 Swanton, J.R. .... H  
 Swick, C.H. .... EMD  
 Swingle, W.T. .... GLO  
 Sykes, James B. ....
- Washington, Cont'd.**  
 Tapke, V.F. .... G  
 Taylor, A. Hoyt .... B  
 Taylor, Alfred E. .... C  
 Taylor, T.W. .... KO  
 Taesch, C.F. .... KLF  
 Thom, Charles .... G  
 Thom, Miss E.M. .... EG  
 Thompson, C.H. .... QI  
 Thompson, D.G. .... E  
 Thompson, S.H. .... F  
 Thone, F.E.A. .... G  
 Thoninthaite, C.W. .... EGH  
 Tilden, Evelyn B. .... CFN  
 Tiley, F.W. .... NC  
 Tilton, L.W. .... B  
 Titus, Harry W. .... NCB  
 Tolle, Chester D. .... CNO  
 Tolley, Howard R. .... K  
 Tomlinson, J.B. .... CB  
 Tool, Arthur G. .... BM  
 Townsend, J.G. .... NH  
 Trask, Parker D. .... E  
 Trayer, Geo. W. .... M  
 Tryon, F.G. .... EK  
 Tuckerman, L.B. ....  
     BMA  
 Tulane, Victor J. .... CNF  
 Turrentine, J.W. .... COK  
 Tuve, Richard L. .... CBN  
 Uhland, R.E. .... OC  
 Underhill, R.M. .... H  
 Usilton, Miss L.J. .... K  
 Valentine, A.W. .... N  
 Van Dine, D.L. .... FO  
 Van Evera, B.D. .... CB  
 Van Meter, Miss M.G. .... G  
 Van Orstrand, C.E. .... ABD  
 Varela, A.A. .... BM  
 Varela, E.A. ....  
 Vaughan, T.W. .... E
- Washington, Cont'd.**  
 Vedder, E.B. .... N  
 Vigness, C. Irwin BNM  
 Vinal, G.W. .... BC  
 von Huhn, R. .... KMA  
 von Oettingen, W.F. .... CN  
 Vos, Bert J., Jr. .... Np  
 Wade, J.S. .... FOG  
 Wadley, F.M. .... F  
 Wait, G.R. .... B  
 Walcott, Mrs. C.D. .... EG  
 Walker, Egbert H. .... G  
 Walker, Percy H. .... C  
 Walton, G.P. .... CFO  
 Walton, W.R. .... F  
 Warburton, C.W. .... O  
 Ward, Henry P. .... BC  
 Ward, Paul Wm. .... OKI  
 Ware, J.O. .... O  
 Warner, E.P. .... KME  
 Warren, Walter C. .... E  
 Washington, A.H. ....  
     QIK  
 Waterman, F.A. .... NF  
 Waters, C.E. ....  
 Watts, Chester B. .... D  
 Weaver, E.R. .... C  
 Webb, J.L. .... FNO  
 Webb, Robert W. .... G  
 Webster, J.C. .... BMQ  
 Wedel, Waldo R. .... H  
 Weida, F.M. .... AKB  
 Weidenhammer, L. .... CQ  
 Weintraub, R.L. .... GCN  
 Weiss, Freeman .... G  
 Welch, Ernest R. .... MQ  
 Weller, G.L., Jr. .... N  
 Wells, R.C. .... CE  
 Westover, H.L. .... O  
 Wetmore, A. .... F  
 Wheeler, Lynde P. .... B  
 White, Richard P. .... G  
 White, W.C. .... N
- Washington, Cont'd.**  
 White, W.H. .... F  
 Whitmore, E.R. .... NFC  
 Whitney, P.C. .... MEI  
 Whittaker, C.W. .... CO  
 Wiebe, Gustav A. .... OFG  
 Wiley, Frank H. .... NC  
 Williams, J.S. .... E  
 Williams, O.B. .... NG  
 Williams, P.J. .... FGO  
 Wills, E.V. .... LOK  
 Wilson, M.B. .... HTN  
 Wilson, R.H., Jr. .... DAB  
 Wiltse, C.M. .... KLI  
 Winkler, Joel G. .... OGE  
 Wirt, J.L. .... L  
 Wolfe, Allan Scott .... I  
 Wolk, I. Louis .... CPK  
 Wood, Miss Jessie C. .... G  
 Woodbury, C.G. .... OFG  
 Woodbury, R.M. .... KHI  
 Woodley, Sam ....  
 Woodard, E.W. .... ABD  
 Woodring, W.P. .... E  
 Woodward, T.E. .... O  
 Wooten, Elmer O. .... OG  
 Wright, F.E. .... E  
 Wright, R. Claude .... GO  
 Wulf, Oliver R. .... BCI  
 Wylie, Lloyd R. .... D  
 Yanovsky, Elias .... C  
 Yater, Wallace M. .... N  
 Yocum, L. Edwin .... G  
 Young, Donnell B. .... F  
 Young, M.W. .... NKF  
 Young, Robert A. .... KGO  
 Youngblood, B. .... GO  
 Zemet, Carlo .... FGO  
 Zeleny, L. .... CGF  
 Zeller, John H. .... OK  
 Zies, E.G. .... BCE  
 Zoch, R.T. .... B  
 Zwilling, Max .... AB

## FLORIDA

- Belle Glade**  
 Bregger, Thomas FGO  
 Neller, J.R. .... OCG
- Bradenton**  
 Everett, M.H. .... NCB  
 Hay, W.P. .... CFG  
 Reynolds, G.D. .... OCG
- Brewster**  
 Mead, Harry L. .... M
- Clermont**  
 Olivenbaum, J.E. NM
- Clewiston**  
 Scharnberg, H.J.B. M
- Cocoa**  
 Beal, J.H. .... CGN
- Coconut Grove**  
 Andrews, H. .... MDE  
 Fairchild, D.G. .... GO  
 Loomis, H.F. .... OFG  
 McClelland, T.B. .... OG  
 Mershon, Ralph D. .... M
- Coral Gables**  
 Meyer, Max F. .... IO  
 Miller, E. Norton .... FG  
 Pearson, Jay F.W. .... FG  
 Sieplein, O.J. .... CBO
- Davenport**  
 Floyd, Bayard F. .... GO  
 Daytona Beach  
 Henderson, C.H. BEQ  
 Longstreet, R.J. .... GF  
 Steiger, George .... CE  
 Stickney, G.H. .... BM
- De Land**  
 Allen, Ezra .... FGN  
 Leete, F.D. .... LEF  
 Smith, Cornelia M. GF  
 Vance, C.B. .... EBA
- Eagle Lake**  
 Drew, Mrs. G.A. .... F
- Englewood**  
 Bass, John F., Jr. .... F  
 Grimmer, J. Lear .... FNG
- Eustis**  
 Henriksen, H.C. CGO
- Fort McCoy**  
 Lisk, Henrietta .... G
- Fort Myers**  
 Judd, George E. .... O
- Gainesville**  
 Allison, Robert V. .... CG  
 Berger, E.W. .... FG
- Gainesville, Cont'd.**  
 Blackmon, G.H. .... O  
 Bless, A.A. .... BAC  
 Brannon, Melvina A. G  
 Byers, C. Francis .... F  
 Carroll, W.R. .... GNO  
 Coghill, George E. .... F  
 Dostal, B.F. .... ABD  
 Drosdoff, Matthew .... O  
 Emmel, M.W. .... NO  
 Gaddum, Leonard W. C  
 Gratz, L.O. .... GO  
 Hawkins, J.E. .... CMQ  
 Hinckley, Elmer D. .... I  
 Hixson, Homer .... FON  
 Hubbell, T.H. .... FE  
 Hume, H. Harold .... GO  
 Jamison, Frank S. .... O  
 Kirk, William G. .... OCN  
 Kusner, J.H. .... ADB  
 Mowry, Harold .... GO  
 Newell, Wilmon .... FO  
 Newins, Harold S. .... O  
 Noble, C.V. .... O  
 Perry, William S. .... BM  
 Phipps, Cecil G. .... A  
 Rogers, J. Speed .... F  
 Rusoff, Louis L. .... NOC  
 Sashoff, S.P. .... MAB  
 Sell, Harold M. .... C  
 Senn, P.H. .... NF  
 Sherman, H.B. .... OF  
 Smith, Frederick B. .... O  
 Tisdale, William B. .... G
- Gainesville, Cont'd.**  
 Tissot, A.N. .... FG  
 Watson, J.R. .... F  
 Weber, George F. .... GO  
 West, Erdman .... GF  
 Williams, Mrs. L.D. B  
 Williams, R.C. BAC  
 Willoughby, C.H. .... OF  
 Wolfe, H.S. .... GO  
 Yeaton, P.O. .... M  
 Ziegler, E.A. .... O
- Hastings**  
 Eddins, A.H. .... O
- Hollandale**  
 Hodson, Floyd .... E
- Hollywood**  
 Cohn, Jess Victor. .... N  
 Noble, Frederick C. .... M
- Homestead**  
 DeMaria, Vincent MCB  
 Fifield, W.M. .... OG  
 Lynch, S.J. .... OGC  
 Ruehle, George D. .... G
- Jacksonville**  
 L'Engle, Edward .... N  
 Parker, H.N. .... NO  
 Roe, Edward .... E  
 Tucker, W.C., Jr. .... CBM

- Lake Alfred**  
Camp, Arthur F. .... G  
Fudge, B. R. .... GCO  
Kuntz, W. A. .... G  
McKee, Mrs. A. O. .... G
- Lakeland**  
Brooks, A. Nelson ... G  
DeMelt, W. E. .... IKL  
Ellison, Eckley S. ... B  
Lancelot, W. H. .... QOI  
Mulvama, Maurice ... G  
Ulhey, David G. .... C  
Vannoy, C. A. ....
- Lake Wales**  
Miller, R. T. .... N  
Tilden, J. E. .... GEF
- Lake Worth**  
Gretson, W. A. .... QBI
- Manatee**  
Wilbanks, J. R. .... M
- Mary Esther**  
Caldwell, Miss E. L. .... N
- Miami**  
Gifford, John C. .... OHG  
Ingersoll, John M. .... N  
McDaniel, W. B. .... L  
Sheehy, M. W. .... NpCB  
Smith, M. H. .... NFH  
Tanner, W. Lee .... CBM  
White, Miss A. E. .... H
- Miami Beach**  
Rotter, P. T. .... AKC  
Walker, Alfred .... Nd
- Miami Springs**  
Estill, Miss A. .... NCE
- New Smyrna Beach**  
Bradley, G. H. .... F
- Ocala**  
Wodlinger, M. H. .... CN
- Orange Park**  
Nissen, Henry W. .... I  
Riesen, Austin H. .... IFO  
Young, William C. .... F
- Orlando**  
Bahrt, George M. .... COE  
Edwards, Miss C. .... NFC  
King, W. V. .... FN  
Miller, Erston V. .... G  
Miller, Ralph L. .... F  
Ross, Edward .... G  
Sachs, Ward H. .... OC  
Stevens, Harold E. .... G  
Tisdale, Lionel E. .... G  
Winston, J. R. .... G  
Yothers, W. W. .... F
- Panama City**  
Brody, A. L. .... F
- Penney Farms**  
Thompson, W. L. .... NGI
- Pensacola**  
Elmendorf, J. E. Jr. .... N  
Hopkins, A. E. .... F
- Quincy**  
Kincaid, R. R. .... GOC  
Madden, A. H. .... FG
- Saint Augustine**  
Stimmel, C. O. .... N
- St. Petersburg**  
Heering, Miss G. A. .... IKO  
Needles, Robert J. .... NF  
Story, Miss H. F. .... ADO  
Turner, M. L. .... NFE
- Sanford**  
Lovell, W. V. .... BMA  
Shippy, W. B. .... G  
Wisecup, C. B. .... F
- Sarasota**  
Hamlin, V. T. .... EH
- Stuart**  
Atwood, Horace .... O
- Tallahassee**  
Boliek, Irene .... FG  
Deviney, Miss E. M. .... FNG  
Disher, D. R. .... I  
Finner, P. F. .... IO  
Gunter, Herman .... E  
Heinlein, C. P. .... IOH  
Hood, Miss M. N. .... NGF  
Kitchen, S. F. .... N  
Komarek, Roy .... FGO  
Kurz, Herman .... GO  
Schornherst, Miss R. G  
Stewart, Alban .... G  
Tilt, Jennie .... C  
Wardlow, Ralph H. .... C  
Ware, E. E. .... FNG  
Witmer, Louise R. .... I
- Tampa**  
Becknell, Guy G. .... B  
Caraballo, C. .... NdIC  
Case, A. H. .... CMO  
Denton, Minna C. .... QNC  
McGrath, T. O. .... BDK  
Mattingley, B. W. .... CNA  
Wilson, Alex S. .... N
- Terra Ceia**  
Robinson, T. Ralph GO
- Venice**  
Maier, Eugene .... NC
- West Palm Beach**  
Herpel, F. K. .... N  
Randolph, O. .... DMA
- Winter Haven**  
McKinnis, R. B. .... CGO
- Winter Park**  
Alvord, John W. .... MKI  
Anderson, W. S. .... CO  
Barbour, R. B. .... BCE  
Bowers, Mrs. W. C. .... N  
Clark, J. H. .... NI  
Clarke, Miss H. .... NO  
Crisler, George .... NCF  
Fernald, Henry T. .... F  
Landone, Brown C. F  
Reece, Philip C. .... GO  
Scott, G. G. .... FGN  
Waite, Alexander .... I  
Wise, Louis E. .... C

## GEORGIA

- Albany**  
Brigham, G. D. .... N  
Hummel, J. L. .... MAC  
Hunter, J. H. .... OCG
- Athens**  
Beers, F. S. .... QIII  
Burkhart, W. C. .... NOP  
Byrd, Elon E. .... FG  
Cantrell, William .... F  
Childs, R. R. .... GO  
Collins, W. O. .... O  
Crickmay, G. W. .... E  
Edwards, A. S. .... IO  
Edwards, F. R. .... O  
Garman, W. H. .... OC  
Greene, J. E. .... IQ  
Hendren, L. L. .... BDA  
Jackson, L. W. R. .... O  
Lund, Horace O. .... F  
McLattin, T. H. .... GO  
Mitchell, F. E. .... O  
Moss, W. L. .... N  
Newton, Miss C. L. .... CN  
Nuttcomb, J. W. .... F  
Smith, J. S. .... OGF  
Stephens, R. P. .... AB  
Story, Miss Louise .... N  
Wilson, Robert C. .... Np  
Young, Miss F. .... ION  
Zeigler, Miss M. .... ION
- Atlanta**  
Albro, Miss Helen T. .... F  
Andrews, Justin .... FN  
Boggs, Gilbert H. .... CO  
Byrnes, Ralph K. .... Nd  
Clay, Grady E. .... N  
Daniel, J. L. .... C
- Atlanta, Cont'd.**  
DuBois, W. E. B. .... KI.H  
Eagleson, H. V. .... BA  
Eagleson, Oran .... IK  
Finley, H. E. .... FG  
Funke, John .... N  
Furcorn, A. S. .... EMH  
Garrett, W. A. .... Nd  
Giddings, Glenville .... N  
Haldi, John .... N  
Hall, Roland B. .... MBA  
Harpole, H. J. .... Nd  
Harris, Lucien, Jr. .... F  
Heath, E. S. .... GEF  
Henry, A. M. .... CGO  
Hopper, S. H. .... NCM  
Huff, M. D. .... NdKI  
Killinger, G. G. .... INF  
King, Roy S. .... M  
Klein, E. W. .... M  
Leadingham, R. S. .... NFI  
Lewis, Mrs. H. N. .... GEF  
Long, David D. .... O  
McDermott, C. B. .... NpC  
McLendon, C. A. .... OGC  
McRae, Floyd W. .... N  
Mann, H. B. .... G  
Nabrit, S. M. .... F  
Neff, Carroll F. .... CNF  
Newell, A. G. .... FG  
Nichols, James G. .... MAI  
Owensby, N. M. .... N  
Peyton, Garland .... EM  
Reddick, Miss Mary F  
Scott, Miss B. L. .... F  
Skiles, W. V. .... ABD  
Swigert, Ray L. .... MOI  
Therrell, D. M. .... MBO  
Vaughan, W. H. .... M
- Atlanta, Cont'd.**  
Whittle, C. A. .... OQ  
Williams, H. McK. .... BFG  
Wilson, R. B. .... N
- Augusta**  
Briggs, A. P. .... N  
Coleman, Warren .... N  
Combs, J. D. .... F  
Ellis, John M. .... F  
Garvin, E. C. .... M  
Hamilton, W. F. .... Np  
Kelly, G. Lombard .... N  
Maryott, C. H. .... N  
Peaslee, W. D. A. .... M  
Traylor, G. A. .... N  
Woodbury, R. A. .... N
- Cairo**  
Belcher, B. A. .... FGO  
Duncan, F. N. .... FG  
Sharpe, Ralph H. .... OG
- Clermont**  
Staton, T. F. .... QI
- Cochran**  
Rice, Nolan E. .... FGN
- Decatur**  
Dexter, Miss E. S. .... IO  
MacDougall, M. S. .... FG  
Stukes, S. G. .... IO
- Demorest**  
Roberts, W. S. .... CBE
- Emory University**  
Bachmann, George NF  
Baker, W. B. .... GF  
Blincoe, Homer .... NF  
Brown, C. E. .... NFG  
Gambrell, E. .... NF  
Guy, J. Samuel .... C  
Jackson, E. L. .... NpC  
Lewis, G. T. .... NC  
Martin, H. W. .... I  
Nelms, W. S. .... B  
Papageorge, E. .... NC  
Phillips, H. M. .... GFN  
Redmond, W. B. .... NF  
Rhodes, R. C. .... F  
Stannard, J. N. .... NpFC  
Venable, J. H. .... NFH  
White, G. C. .... IO
- Experiment**  
Higgins, B. B. .... G  
Olson, L. C. .... OCE  
Stuckey, H. P. .... G  
Weimer, J. L. .... G  
Woodroof, J. G. .... GO
- Fort Valley**  
Blanchet, W. E. .... CBF
- Gainesville**  
Kaston, B. J. .... FNG
- Griffin**  
Rogers, Wallace .... F
- Hinesville**  
Hodges, Q. E. .... BA

**Macon**

Almand, J. M. .... C  
 Carver, G. L. .... FGO  
 Drake, R. M. .... IQ  
 Howell, Miss T. .... FNO  
 Mounts, Mrs. L. H. .... G  
 Quillian, M. C. .... GFE

**Milledgeville**

Beeson, Jasper L. .... C  
 Bolton, Miss E. B. .... I  
 Daniels, F. .... GLO  
 Martin, Miss L. .... CBO  
 Rogers, Miss M. T. .... BDF  
 Stokes, James .... G  
 Wooten, K. W. .... KNO

**Moultrie**

Garrison, S. W. .... MAB

**Mount Berry**

Jones, H. C. .... GFE  
 McAllister, L. E. .... BAD

**Oglethorpe University**

Aldrich, J. A. .... DBA

**Rome**

Hightower, Ruby .... ADB  
 Martin, B. E. .... FGN

**Savannah**

Hasselstrom, T. .... C  
 Hawes, F. M. .... CBK  
 Johnson, B. J. .... IQ  
 Shuey, P. M. G. .... C

**Smyrna**

Hanson, W. T. .... A

**Social Circle**

Hering, Paul E. .... FG

**Statesboro**

DeLoach, R. J. H. .... K  
 Trussell, M. .... FG

**Thomasville**

Stoddard, H. L. .... F

**Tifton**

Burton, Glenn .... OGC  
 Gaines, J. G. .... GF  
 Moore, W. D. .... OG  
 Woodroof, Mrs. N. C. .... G

**Valdosta**

Carter, Miss M. E. .... F  
 Craven, C. J. .... BD  
 Nevins, Miss B. I. .... GF  
 Phelan, E. W. .... CO

**HAWAII****Eleele, Kauai**

Cox, Joel B. .... M  
 Hopwood, Miss M. .... QAB  
 Wong, W. T. .... OQG

**Hilo**

Wilen, C. J. .... N

**Honolulu**

Abbott, Donald P. .... F  
 Agee, H. P. .... O  
 Aitken, R. T. .... H  
 Allen, O. N. .... G  
 Arnold, Harry L. .... N  
 Baker, R. J. .... GKF  
 Ballard, S. S. .... B  
 Beaumont, J. H. .... OGF  
 Boggs, Lawrence .... CGO  
 Britton, J. R. .... MPO  
 Brown, E. D. W. .... G  
 Brown, Forest B. H. .... G  
 Bryan, E. H., Jr. .... F  
 Bryan, W. T. .... QKI  
 Buck, Peter H. .... H  
 Cain, Louis S. .... M  
 Carter, Walter .... FG  
 Castle, N. H. .... FE  
 Castle, S. N. .... M

**Honolulu, Cont'd.**

Caum, Edward L. .... G  
 Clark, W. O. .... E  
 Collins, J. L. .... GFO  
 Conner, M. I. .... Nd  
 Cooke, C. M., Jr. .... F  
 Cooke, Richard A. .... C  
 Coulter, J. W. .... EKO  
 Crawford, D. L. .... F  
 Dean, A. L. .... OCG  
 Dean, L. A. .... OCG  
 Dillingham, E. E. .... C  
 Edmondson, C. H. .... FG  
 Ehrhorn, E. M. .... NCB  
 Enright, James R. .... NCB  
 Farden, Carl A. .... OCG  
 Gregory, H. E. .... E  
 Hamre, Christopher .... F  
 Harper, Miss B. .... FHN  
 Hartt, Miss C. E. .... G  
 Hayashi, Harold T. .... Np  
 Henke, L. A. .... O  
 Honzick, Charles H. .... I  
 Hosoi, Kiyoshi .... N  
 Hoyt, Simes T. .... MP  
 Illingworth, J. F. .... F  
 Janitschke, Erick O. .... M  
 Jones, W. W. .... GO  
 Judd, A. F. .... H

**Honolulu, Cont'd.**

Kirschman, H. D. .... CBF  
 Krauss, Miss B. .... GC  
 Krauss, F. G. .... OGO  
 Kunesch, J. F. .... MKO  
 Lam, Philip .... NCG  
 Lamb, Alvin R. .... CNO  
 Li, Mun Hin .... N  
 Linford, M. B. .... GFO  
 Livesay, T. M. .... IQ  
 Loo, Y. S. .... CN  
 Lyon, Harold L. .... GO  
 McBride, Orville C. .... OC  
 Mangelsdorf, A. J. .... GO  
 Mason, Arthur C. .... F  
 Mehrlich, F. P. .... GF  
 Miller, Miss C. D. .... CF  
 Nightingale, G. T. .... GOC  
 Palmer, H. S. .... E  
 Peck, Samuel S. .... C  
 Pemberton, C. E. .... F  
 Potgieter, Martha CON  
 St. John, Harold .... F  
 Sakimura, Kay .... F  
 Schmidt, Carl T. .... F  
 Smith, M. E. .... IQ  
 Spalding, Irwin .... GF  
 Spiegelberg, C. H. .... G  
 Stokes, John F. G. .... HI

**Honolulu, Cont'd.**

Straub, Geo. F. .... N  
 Swezey, Ottolli. .... F  
 VanZwaluwenburg, R. H. .... OF  
 Wadsworth, H. A. .... B  
 Weeber, Lorle S. .... IQ  
 Wentworth, C. K. .... EM  
 Williams, F. X. .... F  
 Williams, J. N. S. .... BC  
 Zimmerman, E. C. .... F

**Pala**

Foster, J. P. .... CMN  
 Powers, H. A. .... E

**Pearl Harbor**

Richards, W. I. .... MEB

**Pepeekeo**

Taylor, C. R. .... CM

**Wahiawa**

Johnson, M. O. .... C

**Waialua, Oahu**

Degener, Otto .... GF

**IDAHO****Boise**

Genoway, C. V. .... KN  
 Myers, R. M. .... G  
 Peterson, L. J. .... N

**Caldwell**

Rankin, J. M. .... A  
 Smith, Orma J. .... F

**Coeur d'Alene**

Hankins, L. D. .... MHE

**Dubois**

Nordby, Julius E. .... OF  
 Pohle, Elroy M. .... OFC  
 Terrill, C. E. .... OFN

**Moscow**

Beresford, Hobart .... M  
 Carsow, Charles .... M  
 Christensen, Leo M. .... C  
 Gail, F. W. .... G  
 Hinman, Frank G. .... F  
 Hungerford, C. W. .... G  
 Iddings, E. J. .... FOK

**Moscow, Cont'd.**

Klages, K. H. W. .... O  
 Larson, H. W. E. .... OEC  
 Messenger, J. F. .... IQ  
 Owens, H. S. .... CN  
 Raeder, J. M. .... GO  
 Reed, James B. .... CO  
 Scheid, V. E. .... ECB  
 Slipp, A. W. .... GOF  
 Stough, H. B. .... FN  
 Verner, Leif .... OG  
 Woods, Ella .... NC  
 Young, Vernon A. .... GO

**Parma**

Steel, A. A. .... EM

**Pocatello**

Christensen, W. B. .... NC

**St. Maries**

Moore, Donald J. .... MRA

**Twin Falls**

Douglass, J. R. .... FGO  
 Piemeisel, R. L. .... GO

**ILLINOIS****Algonquin**

Chesney, J. W. D. .... E

**Alton**

Giberson, Oria O. .... N  
 Glathart, Justin .... B

**Argo**

Peniston, O. P. .... C  
 Swallen, L. C. .... C  
 Veatch, Collins .... OGC

**Aurora**

Greene, W. B. .... M  
 McFarlane, S. H. .... F  
 Smith, C. R. .... B

**Avon**

Rodgers, Calvin .... N

**Batavia**

Gutekunst, Hans .... AB  
 Holmes, H. F. .... N

**Bellwood**

Miller, D. B. .... ABM

**Berwyn**

Duncan, W. S. .... M  
 Jennings, W. H. .... C  
 Kinneberg, I. H. .... CNM  
 Schulhof, Kamil .... NCB  
 Zoethout, W. D. .... N

**Bloomington**

Brown, G. A. .... O  
 Hargitt, T. F. .... B  
 Hartline, Opal C. .... GO  
 Townsend, M. T. .... FN

**Byron**

Blount, Miss M. P. .... F

**Carbondale**

Bailey, Wm. M. .... G

**Carbondale, Cont'd.**

Cagle, Fred Ray ... FG  
 Gersbacher, W.M. ... FG  
 Steagall, Mary M. ... FG  
 Stein, Ilida A. ... F  
 Welch, W.B. ... GFO  
 Zimmerschied, Miss C. ... BA

**Carlinville**

Crawford, W.W. ... FGN  
 Wittmer, F.B. ... C

**Carthage**

Kibbe, Alice L. ... GFK  
 Noyes, Miss I.M. ... CN  
 Schulz, R.G., Jr. ...

**Centralia**

Agersborg, H.P.K. ... FGN  
 Ellsworth, E.W. ... EM  
 Stephens, William ... BD

**Champaign**

Archer, L.B. ... MKO  
 Bigger, J.I. ... F  
 Coon, Lucy G. ... N  
 Dirks, Miss J.C. ... FG  
 Doland, J.J. ... MK  
 Earle, W.C. ... FN  
 Elias, Maxim K. ... EGF  
 Funk, Miss R.S. ... NCB  
 Goodnight, Clarence F.  
 Hazlett, O.C. ... A  
 Hoersch, Victor A. ... AB  
 Kott, Arthur E. ... C  
 Pacini, Albert E. ... C  
 Pratt, Miss E.M. ... FG  
 Reeder, E.H. ... Q  
 Rees, O.W. ... C  
 Shelford, V.E. ... F  
 Shoemaker, H.H. ... FNI  
 Vestal, A.G. ... GFE

**Charleston**

Iknayan, Nicholas C. ... N  
 Marks, Miss Ica ... G  
 Railsback, O.L. ... B  
 Spooner, C.S. ... F  
 Stover, E.L. ... G  
 Taylor, E.H. ... AQ  
 Thut, Hiram F. ... B  
 Verwiebe, F.L. ... B  
 Weller, Miss A.L. ... E

**Chicago**

Abbott, W.L. ... M  
 Agrus, Meyer S. ... CB  
 Akers, P.H. ... DE  
 Alexander, Franz ... NI  
 Alice, W.C. ... F  
 Allison, S.K. ... BC  
 Alving, Alf S. ... NC  
 Alwart, H.J. ... MPB  
 Ames, Edward S. ... IK  
 Anderson, R.H. ... LOO  
 Andrade, M.J. ... HL  
 Andrews, Harry L. ... FG  
 Aravosis, J.S. ... M  
 Arkin, Aaron ... N  
 Armstrong, D. ... BM  
 Arnold, Bion J. ... M  
 Arnold, Lloyd ... B  
 Aronberg, Lester ... B  
 Ashford, T.A. ... CRO  
 Back, Robert ... BCM  
 Bacon, A.R. ... N  
 Bailey, John Hays ... N  
 Baird, Edgar A. ... G  
 Ballard, Mrs. F.K. ... A  
 Balmer, H.F. ... DB  
 Barber, I.G. ... B

**Chicago, Cont'd.**

Barker, M.H. ... N  
 Barrett, John P. ... F  
 Barron, E.S.G. ... NC  
 Bartelme, G.W. ... FN  
 Bastin, Edison S. ... E  
 Bay, J. Christian ... GL  
 Bell, John M. ... GO  
 Bean, Donald P. ... IK  
 Beardsley, Niel F. ... B  
 Beauchamp, Wilbur ... Q  
 Beazell, J.M. ... N  
 Beck, Wm.C. ... N  
 Becker, Irwin A. ... CEG  
 Bellows, J.G. ... NC  
 Benedek, Therese ... NIH  
 Benedek, Tibor ... NG  
 Benson, Oscar A. ... KLO  
 Bergeim, Olaf ... C  
 Beckman, Sophia ... CB  
 Bertholf, W.E., Jr. ... E  
 Besancon, R.M. ... BAC  
 Bibb, S.F. ... AMO  
 Bing, F.C. ... N  
 Birch, C.LaF. ... N  
 Bjorksten, J.A. ... CNG  
 Black, Mrs. Fern B. ... IO  
 Blake, Emma R. ... FEG  
 Blake, Mrs. Tiffany ... J  
 Blayne, J.R. ... Nd  
 Bliss, G.A. ... A  
 Blitzstein, N.L. ... N  
 Bloch, H.S. ... CBM  
 Bloch, R.G. ... N  
 Bloom, William ... N  
 Bloomfield, Sidney B.  
 Boardman, H.C. ... MAB  
 Rockius, Miss D.E. ... CN  
 Bonander, Orvar ... M  
 Bond, Donald S. ... B  
 Bond, Otto F. ... Q  
 Bonner, Hubert ... KI  
 Boor, Alden K. ... CN  
 Bosma, Nelly J. ... F  
 Boulton, R.Jr. ... FGE  
 Bowen, Norman L. ... EC  
 Bower, W.C. ... QIK  
 Bowman, Jay ... CBK  
 Bowyer, Vernon ... O  
 Boyd, Bemrose ... MBD  
 Boyd, T.E. ... NpF  
 Bradford, James M. ... BA  
 Branom, F.K. ... EK  
 Breed, F.S. ... QI  
 Bretz, J.Harlen ... E  
 Brockett, H.E. ... CM  
 Brodie, Allan G. ... NdH  
 Bronson, W.F. ... CP  
 Brookes, M.C.H. ... CNK  
 Brown, Fay Cluff ... B  
 Brown, Ira ... N  
 Brownlow, Louis ... K  
 Buchanan, E.F. ... CM  
 Buchholz, A.M. ... N  
 Buchsbaum, R.M. ... FNA  
 Buhrmester, Miss C. ... CN  
 Bull, Henry B. ... C  
 Burack, Benjamin ... IO  
 Burgess, Ernest W. ... K  
 Burkhardt, Mrs. B. ... F  
 LeRoy ... F  
 Burrill, Marie W. ... F  
 Burrows, William ... NC  
 Buswell, G.T. ... IO  
 Byrnes, Frank C. ... CE  
 Campbell, Dan H. ... CN  
 Campbell, D.F. ... ABC  
 Cannon, E.E. ... NIF  
 Cannon, H.J. ... CN  
 Cannon, Paul R. ... NF  
 Capps, Joseph A. ... N  
 Carlson, Anton J. ... N

**Chicago, Cont'd.**

Carr, James Gray ... N  
 Cassaretto, F.P. ... CAB  
 Chamberlain, C.J. ... G  
 Chamberlin, R.T. ... E  
 Cherney, Albert ... OG  
 Cheronis, N.D. ... BCN  
 Chetlain, J.F. ... OKD  
 Christensen, H.C. ... CNPQ  
 Christy, Andrew ... B  
 Clark, Edward A. ... MK  
 Clark, S.W. ... NdC  
 Clarke, C.L. ... QIK  
 Cleveland, C.R. ... F  
 Cleveland, F.F. ... BAC  
 Cohen, H.R. ... N  
 Cohn, David J. ... NCN  
 Colburn, William ... CNP  
 Colby, Charles C. ... E  
 Cole, Arthur G. ... CN  
 Cole, Fay Cooper ... H  
 Cole, Versa V. ... NCF  
 Cole, W.H. ... N  
 Coleman, George H. ... N  
 Coleman, H.M. ... CBA  
 Colin, E.C. ... F  
 Colvert, Will White ... B  
 Colwell, C. ... NCF  
 Compere, E.L. ... N  
 Compton, A.H. ... B  
 Conner, H.W. ... GCB  
 Constantinides, Ph.A. ... B  
 Conway, E.A. ... N  
 Cook, Jonathan ... K  
 Cook, W.W. ... KIH  
 Coolidge, E.D. ... NdC  
 Coon, Julius M. ... Np  
 Coulter, Chester ... I  
 Coulter, Merle C. ... GF  
 Coursen, C.Blair ... F  
 Cowles, Alfred, III. ... K  
 Cregan, Sister M.B. ... FG  
 Cronels, Carey G. ... E  
 Crosthwait, D.N., Jr. ... MPC  
 Crowder, T.R. ... N  
 Crowell, B.C. ... N  
 Crowley, Clyde ... CBA  
 Cullison, Miss A. ... F  
 Culmer, C.U. ... N  
 Cushman, Miss A.B. ... N  
 Cutter, Irving S. ... N  
 Cutter, W.D. ... N  
 Da Costa, Miss E. ... NCF  
 Da Costa, H.N. ... CBN  
 Dalstrom, O.F. ... M  
 Dannis, Mark L. ... BC  
 Darrow, C.W. ... I  
 Davenport, H.A. ... NC  
 Davidson, Israel ... N  
 Davidson, Miss M.H. ... FN  
 Davis, J.E. ... NCO  
 Davis, N.S., III. ... N  
 Dawson, Sister M.P. ... CIO  
 Dean, Joel ... KMI  
 Delaney, P.A. ... FN  
 DeLee, Joseph B. ... N  
 DeLemon, Hugo ... CMN  
 Delph, John F. ... N  
 Dempster, A.J. ... B  
 Dershem, Elmer ... BDA  
 Dickinson, F. ... IQK  
 Dieckmann, Wm. J. ... NC  
 Doan, Miss Effie E. ... KO  
 Dold, C. Norman ... FFC  
 Domm, Lincoln ... F  
 Donnel, C.A. ... BDE  
 Dragstedt, Carl A. ... N  
 Dragstedt, Lester R. ... N

**Chicago, Cont'd.**

Dunham, C.L. ... N  
 Dunlap, F.L. ... C  
 DuShane, G.P. ... F  
 Dutton, H.P. ... KMQ  
 Dye, George H. ... C  
 Eaton, Scott Verne ... G  
 Eckart, Carl ... BAD  
 Edgerton, W.F. ... LKH  
 Edwards, Davis ... LIQ  
 Egloff, Gustav ... C  
 Ehrlich, N.J. ... NC  
 Emch, Minna ... NIH  
 Emerson, A.E. ... F  
 Epstein, A.K. ... CN  
 Erickson, C.G. ... ABQ  
 Essenberg, J.M. ... NF  
 Ets, Harold N. ... NpC  
 Eustice, A.L. ... KP  
 Evans, E.A., Jr. ... NCF  
 Evans, S.D. ... IO  
 Ewert, W.C. ... B  
 Fahrenwald, F.A. ... MCB  
 Fahy, Miss M. ... EQ  
 Falls, Miss O. ... FGO  
 Farmer, Chester J. ... CFG  
 Farwell, Francis C. ... N  
 Favill, John ... N  
 Feldman, Julius ... CNP  
 Fetcher, E.S., Jr. ... FC  
 Feuer, Bertram ... NC  
 Field, Henry ... H  
 Finnegan, Joseph B. ... M  
 Finney, W.P., Jr. ... N  
 Fishback, H.R. ... N  
 Fishbein, Morris ... N  
 Fisher, C.R. ... M  
 Fisher, D. Jerome ... E  
 Fisher, Miss Mary C. ... G  
 Fisk, Henry G. ... EC  
 Flood, Walter H. ... MCP  
 Flynn, Sister M.P. ... NCK  
 Foote, Paul C. ... BAD  
 Ford, Lester R. ... AB  
 Fordsick, L.S. ... CND  
 Foster, Miss Alice ... E  
 Fox, Noah ... N  
 Fox, Philip ... N  
 Frank, James ... BC  
 Frank, Margaret ... IN  
 Frank, O.D. ... GOF  
 Freeland, Milnor ... NC  
 Freeman, Ira M. ... B  
 Freeman, Smith ... NC  
 French, B.E.L. ... NCF  
 French, C.S. ... GC  
 French, T.M. ... INF  
 Freud, B.B. ... CQB  
 Friedemann, T.E. ... CN  
 Fuller, George D. ... G  
 Gale, Henry Gordon ... BD  
 Garcia-Benitez, C.R. ... GF  
 Garrison, Lester E. ... N  
 Gazzolo, Frank H. ... CED  
 Gear, Harry B. ... BM  
 Geiling, E.M.K. ... Np  
 Gellhorn, Ernest ... N  
 Gerard, R.W. ... NCF  
 Gerhard, W.J. ... N  
 Gifford, Sanford R. ... N  
 Gilbert, N.C. ... NI  
 Gilman, A.F., Jr. ... C  
 Gilmore, R. Clark ... G  
 Ginsberg, Bernard ... C  
 Givens, Maurice H. ... C  
 Glatfield, J.W.E. ... C  
 Gloyd, Howard K. ... F  
 Glynn, John H. ... NF  
 Golden, I.J.K. ... NBC  
 Golick, A. Frank ... CMK  
 Gomori, George ... NC  
 Gottardo, Paul, Jr. ... CNF

## Chicago, Cont'd.

Goubaud-Carrera, A. H.L.K.  
 Gradle, H.S. .... N  
 Graham, C.F. .... BDE  
 Graham, V.O. .... QG  
 Graves, Lawrence M. A.  
 Gray, John S. .... N  
 Gray, William .... CNP  
 Gray, W.S. .... IQ  
 Green, M.N. .... CN  
 Greengard, Harry .... NC  
 Greenhill, J.P. .... N  
 Greenlee, W.B. .... EH  
 Greenwood, D.A. .... CNF  
 Gregoria, Sister M. .... EK  
 Guiliams, J.M. .... A  
 Gurley, W.F.E. .... E  
 Haas, Louis W. .... C  
 Haas, Walter, Jr. .... CBA  
 Haering, D.W. .... CMN  
 Hafstad, G.E. .... E  
 Hagan, Sister M. .... C  
 Hall, Lloyd A. .... C  
 Halliday, Miss E.G. .... C  
 Hamann, Anna .... NF  
 Hamner, Karl C. .... GO  
 Hanke, Martin E. .... CN  
 Hanke, M.T. .... CNE  
 Hansen, H.L. .... CND  
 Harman, Harry .... AIO  
 Harper, R.B. .... CM  
 Harrison, R.W. .... N  
 Hartley, George, Jr. .... N  
 Harvey, B.C.H. .... N  
 Harvey, Cecil C. .... CFN  
 Haskell, E.F. .... HGE  
 Hatcher, C.H. .... N  
 Hatton, Edward H. .... N  
 Haydon, A.E. .... KHL  
 Heald, H.T. .... M  
 Heidrick, Leslie R. .... FG  
 Hemens, Rollin D. .... IKQ  
 Hendrickson, A. .... OGC  
 Hepler, Miss O.E. .... N  
 Herr, Vincent V. .... I  
 Herrick, J.B. .... NLO  
 Herring, T.F. .... MC  
 Herrold, R.D. .... NC  
 Hesseltine, H.C. .... N  
 Hill, Cyrus G. .... BA  
 Hillebrecht, H.E. .... FGC  
 Hillenbrand, H. .... NGK  
 Hines, Leonard R. .... CN  
 Hirsch, Edwin F. .... N  
 Hirschberg, Nell .... NFG  
 Hirsch, Bernard L. .... AK  
 Hoag, J. Barton .... BAD  
 Hobbs, Glenn M. .... BC  
 Hodges, Paul C. .... N  
 Hoelzel, Frederick .... N  
 Hoffman, M.M. .... Nd  
 Hoffman, W.S. .... N  
 Hogan, Sister S.M. .... PG  
 Hogness, T.R. .... C  
 Holmberg, John B. .... MO  
 Hood, Marion .... NF  
 Hook, W.E. .... N  
 Hoover, H. Earl .... MO  
 Hopkins, D.L. .... F  
 Hopkins, E.W. .... ONC  
 Horner, W.F. .... FGN  
 Howell, K.M. .... NC  
 Huenink, H.L. .... CO  
 Huff, Clay G. .... FN  
 Huggins, Charles B. .... N  
 Hulla, George .... CAB  
 Hummoller, Fred L. .... NC  
 Hutter, Charles G. .... N  
 Hutton, James H. .... N  
 Hyman, Julius .... C  
 Ingraham, R.C. .... NC  
 Ipatieff, Vladimir N. .... C

## Chicago, Cont'd.

Irons, Ernest E. .... N  
 Isenbarger, Jerome .... G  
 Ivy, Andrew C. .... Np  
 Jackson, John M. .... CB  
 Jacobson, Edmund NI  
 Jacobson, M.A. .... NOQ  
 Jakl, V.E. .... B  
 Jansey, Felix .... NCB  
 Jesse, William P. .... B  
 Jewett, Frances L. .... G  
 Job, Theslet .... FN  
 Johannsen, Albert .... E  
 Johnson, C.A. .... CN  
 Johnson, J.T. .... AQI  
 Johnson, Leland R. .... Nd  
 Johnson, Norman B. .... M  
 Johnson, Victor .... N  
 Johnson, W.C. .... C  
 Johnston, C.E. .... MK  
 Johnstone, M.M.S. .... N  
 Jones, David .... NF  
 Jones, George M. .... MAB  
 Jones, K.W. .... NO  
 Jones, Owen B. .... DBC  
 Jones, W.B. .... CBM  
 Jones, W.D. .... E  
 Jordan, Edwin P. .... NHL  
 Kampmeier, O.F. .... NH  
 Katz, Louis N. .... N  
 Keeler, Leonarde .... I  
 Keeton, Robert W. .... N  
 Kemp, Jarold E. .... N  
 Kendig, Miss M.M. .... O  
 King, Leonal M. .... I  
 Kingsbury, F.A. .... IO  
 Kinney, J.M. .... A  
 Kirshbaum, Jack D. .... N  
 Klapperich, A.J. .... BMI  
 Klein, David .... C  
 Kleitman, Nathaniel N  
 Klopsteg, Paul E. .... B  
 Kluever, Heinrich IKN  
 Kney, Otto .... M  
 Knight, Alva A. .... NCF  
 Kniseley, M.H. .... FNM  
 Knospe, William F. .... C  
 Knowlton, Miss K. .... CN  
 Koch, Fred C. .... CNO  
 Koch, Miss H.L. .... ION  
 Kohout, J.F. .... CDE  
 Komarewsky, V.I. .... BCM  
 Koons, Carl H. .... F  
 Koos, Leonard V. .... O  
 Korybski, A. .... ANQ  
 Koser, Stewart A. .... N  
 Kraatz, C.P. .... FNP  
 Krasno, Louis R. .... FIN  
 Krathwohl, W.C. .... AOT  
 Kraus, E.J. .... GO  
 Kraus, Ida .... CN  
 Kretschmer, H.L. .... N  
 Krogman, W.M. .... HFE  
 Kronfeld, Peter C. .... N  
 Kronfeld, Rudolf .... N  
 Krumbum, W.C. .... E  
 Kuder, G. Frederic IKQ  
 Kummer, Mrs. Anna G  
 Kunde, M.M. .... NO  
 Kurtz, W.O. .... M  
 Lane, Ernest P. .... A  
 Larkin, John Day KLO  
 Latham, V.A. .... NFG  
 Lawlak, John W. .... N  
 Lawless, T.K. .... CN  
 Leavens, D.H. .... AKD  
 Lebensohn, James E. .... N  
 Lednum, E.T. .... CM  
 Lemon, H.B. .... BAD  
 Lesner, Sister Mary  
 St. Victor .... F  
 Leventhal, M.L. .... NCK  
 Levinger, David .... M

## Chicago, Cont'd.

Levinson, S.A. .... NHI  
 Lewis, A.B. .... HFG  
 Lewis, Burns .... NC  
 Lichtenwalter, M.C. .... QFI  
 Lillie, Frank R. .... F  
 Lillie, Ralph S. .... FN  
 Lillis, Stephen M. .... CMP  
 Link, Geo. K.K. .... G  
 Livingston, H.M. .... N  
 Lloyd, Miss Harriet LH  
 Logan, W.H.G. .... NQ  
 Logsdon, Mrs. M.T. .... A  
 Lorance, Mrs. M.T. .... N  
 Lowes, Miss Helen GFI  
 Luckhardt, Aino B. .... N  
 Luckow, Wm. C. .... CM  
 Luhan, Joseph A. .... N  
 Lundquist, G.R. .... NHF  
 McCaughan, R.C. .... N  
 McCausland, Woods M  
 McDaniels, H.E. .... N  
 MacDowell, C.H. .... CO  
 McGuigan, Hugh .... Np  
 McHugh, Daniel J. .... DB  
 McKeon, R.P. .... LBA  
 McLean, Franklin C. .... N  
 MacMillan, W.D. .... AD  
 McMullen, H.G. .... FNO  
 Magos, John P. .... MBC  
 Mandabach, P.J. .... CGI  
 Mann, Lawrence S. .... NC  
 Martin, E.D. .... MBC  
 Martin, Mrs. E.A. .... CN  
 Martin, John .... NFI  
 Mason, H.C. .... NCK  
 Mason, Michael L. .... N  
 Masserman, J.H. .... IKN  
 Mead, Henry C.A. .... NLF  
 Melnick, Perry J. .... N  
 Miller, Benj. F. .... NC  
 Miller, C. Phillip .... N  
 Minard, David .... NCB  
 Minarik, R.G. .... MQ  
 Mitchell, J.H. .... N  
 Mohr, Geo. J. .... NFO  
 Monroe, Wm. S. .... KM  
 Montgomery, W.N. .... NMB  
 Moore, B.H. .... NHF  
 Moore, Carl R. .... F  
 Moore, Glenn S. .... CBA  
 Moorman, Earl F. .... CBM  
 Morris, C.W. .... LBI  
 Morse, Minerva .... C  
 Mortimer, B. .... NO  
 Mory, A.V.H. .... C  
 Moulton, C. Robert .... C  
 Muehlberger, C.W. .... CN  
 Mulliken, Robert S. .... BC  
 Mullin, F.J. .... NIF  
 Mundt, G. Henry .... N  
 Munson, Grace E. .... I  
 Murray, Forrest H. .... C  
 Murray, Maurice J. .... C  
 Musser, Clair Omar .... N  
 Nadeau, Oscar E. .... N  
 Nadler, Walter H. .... N  
 Naylor, Aubrey W. .... G  
 Necheles, H. .... N  
 Necker, Walter L. .... F  
 Neiler, Samuel G. .... M  
 Nelson, Lloyd .... CMK  
 Nelson, W.K. .... CMK  
 Newman, Horatio H. .... F  
 Newman, W.L. .... IKQ  
 Newton, Roy C. .... C  
 Nice, L.B. .... FNP  
 Nichols, H.W. .... ECM  
 Nicholson, F.M. .... NFN  
 Nickerson, J.F. .... MNO  
 Nicolet, Justin .... ABM  
 Novak, Milan .... NFG

## Chicago, Cont'd.

Noyes, Harold J. .... Nd  
 Ochsner, Edward H. .... N  
 Oesting, Ralph B. .... CFN  
 Offermann, C.A. .... F  
 Ogburn, William F. .... K  
 Olcott, Irwin .... CNB  
 Oldberg, Eric .... N  
 Olmsted, C.E. .... GO  
 Olam, Miss E.A. .... G  
 Olson, Florence .... NC  
 Orndoff, B.H. .... N  
 Osgood, Bess .... NC  
 Osgood, W.H. .... F  
 Otto, Carl .... MBA  
 Paddock, L.S. .... CMP  
 Page, Thoinston .... DB  
 Palm, Carl E. .... N  
 Palmer, W.L. .... N  
 Park, Thomas .... FN  
 Parker, Miss B.M. .... QG  
 Parker, Miss E.P. .... E  
 Parker, Milton E. .... CMO  
 Parmenter, C.E. .... L  
 Patrick, Miss M.L. .... IO  
 Paul, Arthur E. .... CO  
 Paul, W.R. .... ABD  
 Peariman, Samuel J. .... N  
 Pearson, Anthony NF  
 Peck, David B. .... C  
 Penn, John C. .... MDO  
 Pepon, H.S. .... GOF  
 Perlman, K.I. .... NpC  
 Petersen, W.F. .... N  
 Pettijohn, Francis J. .... E  
 Phee, Martin J. .... FG  
 Phemister, Dallas B. .... N  
 Phifer, Harold E. .... CBA  
 Phillips, Mervyn C. .... C  
 Pietsch, Ewald C. .... E  
 Pilot, Isadore .... N  
 Pincussen, Ludwig C. .... N  
 Piszkiwicz, F.J. .... N  
 Platt, Robt. S. .... E  
 Podlesak, Henry J. .... M  
 Pollock, Roscoe .... NOO  
 Pope, Clifford H. .... FHO  
 Poshche, Jules D. .... CNF  
 Pot, F.J. Jr. .... MCB  
 Porter, Richard J. .... NF  
 Potter, T.S. .... NBC  
 Potts, Albert M. .... CN  
 Potts, I.A. .... NallH  
 Poulter, Thos. C. .... BDC  
 Prentiss, A.M. .... C  
 Pribram, E.A. .... NCG  
 Pusey, Brown .... N  
 Pusey, Wm. A. .... FN  
 Ragins, Alex B. .... NQC  
 Ramsey, G.B. .... G  
 Ranson, S. Walter .... N  
 Ratner, Herbert .... NQC  
 Rea, Albertine L. .... NFG  
 Redfield, Robert .... HL  
 Reed, Miss B.P. .... FN  
 Reed, Carlos J. .... N  
 Rehm, W.S. Jr. .... FG  
 Reynolds, H.J. .... FGH  
 Reynolds, John T. .... N  
 Rice, Hugh A. .... FNO  
 Rickards, F.S. .... K  
 Ricketts, Henry T. .... N  
 Rider, Theodore H. .... CN  
 Riggs, E.S. .... EF  
 Riggs, Lloyd K. .... NC  
 Roberts, John M. .... N  
 Roberts, Miss J. .... CKN  
 Roberts, R.G. .... CNB  
 Robertson, O.H. .... N  
 Rogers, Burton R. .... NBF  
 Rogers, Fred A. .... BM  
 Rolnick, Harry .... N  
 Rosborough, P.A. .... N  
 Rosenthal, Sol Roy .... N

## Chicago, Cont'd.

Roundy, Z. D. .... O  
 Rubin, A. L. H. .... KLO  
 Rukstinat, Geo. J. .... N  
 Sadler, Wm. S. .... N  
 Sanders, James M. .... F  
 Saphin, Otto .... N  
 Sappington, C. O. .... NO  
 Saul, Leon .... N  
 Saunders, Felix .... C  
 Schaaf, Bernard E. .... CG  
 Schuff, David C. .... Nd  
 Schilling, O. F. G. .... A  
 Schimberg, Arnold .... N  
 Schimpff, G. W. .... CBN  
 Schimpff, R. K. .... CNB  
 Schindler, Rudolf .... NF  
 Schlesinger, H. I. .... C  
 Schmeing, G. M. .... CBA  
 Schmidt, F. D. .... CNO  
 Schmidt, Karl P. .... F  
 Schmidt, R. E. .... DME  
 Schmidt, H. L. .... N  
 Schneider, J. L. .... M  
 Schommer, John J. .... C  
 Schorsch, A. P. .... KIO  
 Schour, Isaac .... Nd  
 Scott, Charles .... N  
 Selinger, Elias .... N  
 Sella, Emil .... GB  
 Seman, Philip L. .... KLB  
 Sheinin, John J. .... N  
 Shell, John S. .... CN  
 Sheriff, Earl Edward .... G  
 Shull, Charles A. .... GO  
 Siebel, Emil A. .... BCN  
 Siebel, F. P. .... CMA  
 Siems, H. B. .... COG  
 Simmons, Glen R. .... C  
 Simonds, James P. .... N  
 Singer, H. Douglas .... NI  
 Skinner, E. W. .... BND  
 Slight, David .... NI  
 Smead, C. H. .... CFG  
 Smetters, S. T. .... MAG  
 Smith, A. B. .... BM  
 Smith, Burke .... DBA  
 Smith, Fred Wilson .... C  
 Smith, Harvey M. .... FN  
 Smith, L. W. .... O  
 Smith, T. V. .... K  
 Snyder, Daniel .... F  
 Snyder, Fred H. .... NC  
 Soskin, Samuel .... N  
 Spellberg, M. A. .... NF  
 Spencer, Miss G. G. .... CBI  
 Spencer, Jane E. .... AOK  
 Spencer, Miss M. L. .... HI  
 Spohn, Miss A. .... C  
 Stadnichenko, Miss A. .... N  
 Standley, Paul C. .... G  
 Stanfield, J. Fisher .... G  
 Stanton, Le. R. W. .... CMN  
 Stare, Frederick J. .... NC  
 States, M. .... B  
 Stauffer, Andrew .... G  
 Steck, Irving E. .... N  
 Stein, Irving F. .... N  
 Stein, Saml. .... NI  
 Steiner, Paul E. .... N  
 Steinhaus, A. H. .... NFK  
 Stephan, K. M. .... NC  
 Stevenson, F. L. .... BCM  
 Still, E. U. .... NCF  
 Stoelting, C. H. .... HTN  
 Stone, C. H. .... BMA  
 Stowe, M. C. .... PG  
 Strandskov, H. H. .... F  
 Strauss, Sidney .... N  
 Strong, R. M. .... F  
 Struck, H. C. .... NC  
 Swann, H. G. .... N

## Chicago, Cont'd.

Sweet, D. H. .... MBK  
 Swift, C. H. .... N  
 Swift, H. H. .... N  
 Talbot, Marion .... KO  
 Taliaferro, W. H. .... FN  
 Tannenbaum, A. .... NCB  
 Taylor, H. A. .... O  
 Terry, Ralph E. .... C  
 Thal, P. E. .... N  
 Thompson, Clem O. .... OT  
 Thompson, W. O. .... N  
 Thomson, S. C. .... NFL  
 Thor, Clifford J. B. .... CGO  
 Thotek, Max .... N  
 Thurston, F. A. .... Nd  
 Thurstone, L. L. .... I  
 Tibbals, C. Austin .... C  
 Tiemann, T. D. .... ME  
 Tindal, J. M. .... MKO  
 Tippett, Miss M. M. .... C  
 Tobiasz, E. C. .... ICF  
 Tolman, Lucius M. .... C  
 Tower, Willis E. .... BO  
 Tranzan, Karl .... MAB  
 Tunniff, Ruth .... N  
 Turner, A. R. .... ON  
 Tweedy, W. R. .... CN  
 Tyler, Ralph W. .... OT  
 Ulery, C. B. .... ABC  
 Vagtborg, Harold .... BC  
 Van Cleef, Paul .... CBA  
 Van Pelt, J. R. .... EM  
 Vaughan, L. H. .... GO  
 Vincent, Stella B. .... IQ  
 Vogele, Alfred C. .... GC  
 Vollertsen, J. J. .... C  
 von Bonin, G. .... NHF  
 Voth, Paul D. .... G  
 Wach, E. C. .... NDC  
 Wagner, C. R. .... C  
 Wagner, Carl B. .... ND  
 Wagner, Leiman A. .... M  
 Wakerling, G. E. .... N  
 Wallace, L. W. .... M  
 Wang, Chi Che .... CN  
 Warner, Glen W. .... BO  
 Wasley, W. L. .... CN  
 Wasson, Theron .... EM  
 Waterfall, W. .... BM  
 Watts, Ruth M. .... CN  
 Weed, Alfred C. .... F  
 Weightman, C. H. .... O  
 Weinhouse, Sidney .... C  
 Weissman, Miss L. .... FGO  
 Weiss, Emil .... N  
 Weiss, Paul .... NF  
 Welker, W. H. .... N  
 Wells, H. G. .... N  
 Wentworth, E. N. .... FKO  
 Werch, S. Carl .... N  
 Wessinger, Geo. D. .... CN  
 White, W. B. .... MBD  
 Wideman, C. J. .... F  
 Wiggins, J. H. .... DBA  
 Wilcox, Guy M. .... B  
 Williamson, W. R. .... CB  
 Wilson, Geo. W. .... IN  
 Windle, William F. .... N  
 Witt, J. C. .... CMB  
 Wolfe, Dael L. .... ILB  
 Wood, Willard L. .... N  
 Works, Geo. A. .... OKI  
 Wray, J. Glen .... M  
 Wright, D. T. .... CMB  
 Wright, F. Howell .... N  
 Wright, Frank .... CN  
 Wright, Sewall .... FO  
 Yamanouchi, Shigeo G. .... KA  
 Yntema, T. O. .... KA  
 Young, Miss H. D. .... CN  
 Young, Mrs. J. D. .... F  
 Young, T. F. .... CBD  
 Zabel, H. E. .... F

## Chicago, Cont'd.

Ziegler, Paul F. .... BC  
 Ziegler, N. A. .... ME  
 Zika, Robert B. .... BC  
 Zimmermann, A. .... NF  
 Zoern, Joseph .... FG

## Chicago Heights

Applegate, Miss A. R. G  
 Fellows, John A. .... MPB

## Clarendon Hills

Keil, H. L. .... CNM

## Collinsville

Youtsey, F. S. .... BCD

## Danville

Cox, Harlan S. .... NKL  
 Crispin, Samuel C. .... N  
 English, Harlan .... N

## Decatur

Galligar, Miss G. C. .... GF  
 Gay, Berry Everett .... N  
 Greenfield, R. E. .... C  
 Hessler, John C. .... CO  
 Hottes, J. C. .... F  
 Melrose, F. A. .... IFH  
 Mills, Ralph G. .... N  
 Pollock, Milton D. .... N  
 Ransom, J. H. .... C  
 Richardson, G. B. .... M  
 Seulke, K. J. .... OCF

## Deerfield

Hille, Hermann .... CNG

## De Kalb

Gould, H. W. .... BCD  
 Montgomery, C. E. .... FG

## Delavan

Hight, E. S. .... MAB

## Downers Grove

Pugh, Mrs. Emerson G  
 Whitehead, G. W. .... ALQ

## Dundee

Dickinson, C. G. .... E

## Dwight

Stubbs, Mrs. C. N. .... FGE

## East Alton

Olsen, Fredrick .... CBA

## Edwardsville

Sprinkle, M. R. .... MCA

## Effingham

Hammond, R. E. .... MKB

## Elburn

Seymour, Mrs. H. B. .... KOP

## Elgin

Kettering, Miss H. C. .... NFG  
 Urie, Frank D. .... DB

## Elmhurst

DeBruine, Harvey .... F  
 Helmick, H. H. .... C  
 Rudow, C. M. .... MCB  
 Sonquist, J. A. .... FQG

## Elmwood Park

Adams, William A. .... H

## Elsah

Chandler, George IKH  
 Happ, George B. .... FG  
 Hooper, W. J. .... BMD  
 Robertson, P. .... CE

## Evanston

Abernethy, J. L. .... C  
 Ball, John R. .... EFH  
 Bannister, Miss R. D. .... BDE

Bascom, W. R. .... H  
 Bassoe, Peter .... N  
 Beaton, L. E. .... NHF  
 Beaton, Mrs. L. E. .... G  
 Behre, C. H., Jr. .... E  
 Behre, J. A. .... CN  
 Bockstahler, L. I. .... B  
 Britton, Max E. .... G  
 Brown, F. A., Jr. .... FG  
 Brunet, W. M. .... NK  
 Buchanan, J. W. .... F  
 Burton, Miss E. P. .... N  
 Carlson, Margery C. .... G  
 Carter, Edwin R. .... AD  
 Clark, E. L. .... IO  
 Crew, Henry .... B  
 Curtiss, David R. .... A  
 Dole, Malcolm .... CB  
 Edgcombe, A. E. .... G  
 Eschbach, Ovi D. .... MO  
 Freeman, G. L. .... IN  
 Frost, Arthur A. .... CB  
 Gault, R. H. .... I  
 Gilliland, A. R. .... IO  
 Goodfellow, L. D. .... I  
 Grulee, C. G. .... N  
 Herskovits, M. J. .... HLF  
 Hines, M. A. .... C  
 Holgate, T. F. .... AL  
 Hoskins, H. P. .... NO  
 Hudson, G. D. .... EKO  
 Hughes, James M. .... Q  
 Hurd, Charles D. .... C  
 Hutchison, R. Lynn .... F  
 Janson, Miss A. A. .... N  
 Janssen, R. E. .... EHG  
 Kassel, Louis S. .... CBA  
 Kinsley, Philip .... N  
 Lee, Oliver Justin .... AD  
 Lewis, Winford L. .... C  
 Lowry, C. D., Jr. .... C  
 Lueth, Harold C. .... N  
 Lussky, H. O. .... N  
 Mendoza, Guillermo .... F  
 Morgan, John J. B. .... IKO  
 Morris, W. E. .... FCN  
 Moulton, E. J. .... AD  
 Nelson, Teal .... N  
 Nethercut, Edgar S. .... M  
 Newell, M. J. .... Q  
 North, M. S. .... M  
 Pardee, Miss Molly .... C  
 Park, Orlando .... FG  
 Peck, Edson R. .... BA  
 Porter, Mrs. A. B. .... F  
 Potts, L. M. .... BM  
 Powers, Wm. E. .... E  
 Rew, Irwin .... N  
 Riegel, Byron .... CNF  
 Rolfe, K. E. .... BAM  
 Schultz, O. T. .... N  
 Scott, Walter Dill .... Q  
 Seadmore, H. H. .... FG  
 Seashore, Robert H. .... I  
 Simon, C. T. .... IOH  
 Simons, M. W. .... KFH  
 Spence, B. J. .... B  
 Stark, J. T. .... E  
 Steinhour, H. H. .... CBK  
 Stevens, C. R. .... CPK  
 Stults, Raymond .... M  
 Summerbell, R. K. .... C  
 Suter, C. M. .... CQ

- Evanston, Cont'd.**  
 Templeton, E. J. ... AFL  
 Tiffany, L. H. .... G  
 Todd, Arthur J. ... KH  
 Turner, C. Donnell .. F  
 Turner, Clarence L. .. F  
 Urbancsek, J. J. ... ABO  
 Varrelman, F. A. ... FGI  
 Ward, Harold B. .... E  
 Whiting, Miss A. G. ... G  
 Williams, E. C., Jr. ... F  
 Williams, J. Lisle ... NC  
 Witty, Paul A. .... OI  
 Yacorzynski, G. K. INF
- Fairfield**  
 Roberts, H. C. ... BAM  
 Fisher  
 Sailsbury, M. B. ... FGQ
- Flossmoor**  
 Friedemann, Wm G. ... CBM  
 Gregg, Clifford C. ... QHF  
 Sykes, Wilfred ... M
- Galesburg**  
 Franing, Edward C. ... N  
 Furrow, C. L. .... F  
 Kidder, Albert F. ... O  
 Neifert, Ira E. .... CN  
 Thomas, Victor D. ... N  
 Walton, A. C. ... FNO  
 Williamson, Warren F
- Geneva**  
 Hanson, T. M. .... NK
- Gillespie**  
 Willson, Miss L. M. ... FGK
- Gilman**  
 Levy, Abraham J. ... NLK
- Glencoe**  
 Birdsall, Lewis I. ... CM  
 Miner, Carl S. .... C
- Glen Ellyn**  
 Read, John W. .... CO
- Glenview**  
 Nessel, N. M. .... CN  
 Rose, William H. ... MCB
- Grant Park**  
 Dennis, H. N. .... FGH
- Greenville**  
 Marston, Leslie R. ... IQ
- Harrisburg**  
 Bonnell, Clarence FGN
- Harvey**  
 Jewell, Minna E. ... CFG
- Highland**  
 Eberhart, C. Milton .. N
- Highland Park**  
 Harvey, Ellery H. ... CM  
 Landauer, R. S. ... BN  
 LeClerc, R. R. .... EM  
 MacCorquodale, D. W. ... C  
 Moore, Mrs. A. O. ....  
 Pardee, H. S. .... MAB  
 Franstiehl, Carl ... BC  
 Walsh, William J. ... FB  
 Welch, M. W. .... CBF  
 Zeisler, E. B. .... NAB
- Hillsboro**  
 Seltzer, Alvin ..... N
- Hines**  
 Nolan, Lewis E. .... N  
 Owen, S. E. .... NPQC
- Hinsdale**  
 Dixon, L. J. .... CMN  
 Hansen, W. C. .... CB  
 Nielsen, Ernst K. ... CN
- Hollywood**  
 Hoff, Wilbur L. ... CBE
- Hubbard Woods**  
 Mettler, Mrs. L. H. ....
- Jacksonville**  
 Alexander, Miss A. ... G  
 Armstrong, B. .... CNp  
 Capps, H. M., Jr. .... IO  
 Cooke, Francis W. ... B  
 DeRyke, Willis ... F  
 Miller, E. O. .... IO  
 Newcomb, W. H. .... N  
 Olson, Miss Hazel FGN  
 Stewart, I. C. .... O  
 Walter, Miss M. ... FTH
- Joliet**  
 Carney, W. F. .... C  
 Fitch, Kenneth R. ... CBK  
 Frisbie, R. L. .... CFG  
 Lochner, Sister M. F. F  
 Schwartz, Miss G. GFO  
 Stuart, F. C. .... M
- Kankakee**  
 Edgeworth, H. .... CM
- LaGrange**  
 Carpenter, A. H. ... MED  
 Knoblock, B. W. ... H  
 Stover, C. R. .... MAB  
 Zimmerman, O. B. ... MOA
- Lake Bluff**  
 Wood, S. M. .... MDE
- Lake Forest**  
 Coffin, F. B. .... CK  
 Harris, Roscoe E. ... B  
 Isfort, Miss L. G. ... GF  
 Lineburg, Bruce ... F  
 Scudder, L. W. .... KB  
 Williams, S. P. .... IK
- La Salle**  
 Danheum, Miss B. L. FG
- Lawrenceville**  
 Hoffmann, H. .... GCN
- Lebanon**  
 Spencer, E. R. .... FG
- Lena**  
 Gassman, E. A. ... CBQ
- Lincoln**  
 Schulz, Carl E. .... CBQ
- Lisle**  
 Jurica, Hilary S. .... G  
 Tomecko, C. G. .... C
- Lombard**  
 Osland, Embert ... MC  
 Van Doren, C. F. ... BCF
- Macomb**  
 Bennett, Miss M. A. ... FGO  
 Carter, J. Hal ... CBA  
 Schreiber, E. W. ... ALQ  
 Waggoner, H. D. ... GFN
- Madison**  
 Schwab, W. Jr. ... FGC
- Manteno**  
 Baer, W. H. .... IK
- Marshall**  
 Hares, C. J. .... E
- Mattoon**  
 Anderson, Carl B. ... EMC  
 Long, Harland W. ... IN
- Maywood**  
 Blair, James S. .... C  
 Grier, Mrs. T. G. ... HE  
 Gruber, L. F. .... DCB  
 Lueck, Roger H. ... C  
 Polanco, Quirino G. ... N  
 Shepard, Miss W. ... F
- Mendota**  
 Mauntel, H. W. ... KQG
- Monmouth**  
 Haldeman, W. S. ... CDM  
 McClenahan, F. M. ... CEB
- Mooseheart**  
 Reymert, M. L. ... IQ
- Naperville**  
 Bieber, C. L. .... EQ  
 Eigenbrodt, H. J. ... F  
 Priem, Lillian A. ... C  
 Wall, C. N. .... B
- Nora**  
 Blair, Miss M. C. ... GFO
- Normal**  
 Cross, C. L. .... B  
 Force, Miss T. ... QIE  
 Gray, Miss Nina E. ... FG  
 Lamkey, E. M. R. ... GO  
 McAvoy, Miss B. ... G  
 McDavitt, Neva ... E  
 Miller, L. Wallace ... G  
 Richardson, M. L. ... N  
 Royce, Miss B. M. ... NFG
- Northbrook**  
 Richards, Miss M. ... ACL
- North Chicago**  
 Carter, Edgar B. .... C  
 Cromwell, H. W. ... N  
 Moore, Edmond E. ... C  
 Vliet, Elmer B. .... CN
- Oak Park**  
 Auten, Hanford L. ... N  
 Darrah, W. A. .... MCB  
 Gamble, Miss Faith GO  
 Gere, B. H. .... AO  
 Graham, Katherine NC  
 Kuehn, Alfred L. ... M  
 Kunkle, Wm. F. .... C  
 Leahy, James A. ... M  
 Lodeski, F. J., Jr. ... CB  
 McCord, G. E. .... DEH  
 Morrell, J. C. .... C  
 Pfeiffer, G. S. ... MBA  
 Seed, London ... N  
 Shaw, L. I. .... MC  
 Sheaff, H. M. ... NCF  
 Simpson, H. N. ... CMN
- Oak Park, Cont'd.**  
 Watts, J. T. .... DBA  
 Weckel, Miss A. L. ... FG  
 Williston, Miss R. ... FG  
 Wirth, Elmer H. ... NP CG
- Palatine**  
 Schmidt, A. H. .... C
- Park Ridge**  
 Gunderson, L. O. ... CBM  
 Hand, George W. .... M  
 Noyes, F. B. .... FGNd  
 Olson, George A. ... C  
 Wessel, John P. ... FG
- Paxton**  
 Hileman, A. I. ... OOI
- Peoria**  
 Althausen, Darrell ... C  
 Ashman, Geo. C. ... C  
 Browne, Wm J. ... CBD  
 Cart, Jacob F. .... Nd  
 Coghill, Robert D. ... C  
 Comstock, C. E. ... AQ  
 Fletcher, L. J. ... MOR  
 Fuller, M. L., Sr. ... E  
 Gault, Arthur E. ... AD  
 Hunter, J. E. .... CFN  
 Lathrop, Elbert C. ... C  
 Packard, W. H. .... F  
 Rosen, Carl G. A. ... MHC  
 Sedgwick, J. H. ... FGE  
 Shollenberger, J. H. ... OK
- Peru**  
 Sigal, Alex. .... CNO  
 Smith, C. Carroll ... NQI  
 Smith, C. M. .... NdOI  
 Sneller, Charles D. ... NE  
 Stone, C. U. .... IKQ  
 Swaim, V. F. .... BA  
 Swaitz, Miss D. ... FG  
 Vonachen, H. A. ... N  
 Voss, John ... GET  
 Willett, R. C. ... IIND
- Peru**  
 Milhorne, D. W. ... GF
- Quincy**  
 Elmslie, W. P. ... CON  
 Evers, Robert A. ... GFO  
 Fochtman, Vincent ... I  
 Montgomery, E. B. ... NO  
 Swanberg, Harold ... N
- Rantoul**  
 Taylor, George F. ... BE  
 Wainer, Perry ... B
- Redmon**  
 Nurnberger, C. E. ... BNC
- Reynolds**  
 Freytag, L. C. ... CDA
- River Forest**  
 Charles, G. M. .... FG  
 Joslyn, Arthur E. ... N  
 Kane, William ... I  
 O'Hanlon, Sister M. E. ... GF
- Quinn, Sister M. G. ... CBA**  
 Ryan, Sister M. H. ... G  
 Timothy, Sister M. ... E
- Riverside**  
 Bangs, E. H. .... M  
 Fruth, H. F. .... B  
 Linn, Carl B. .... C  
 Teller, Geo. L. ... C  
 Vivian, Mrs. E. L. ... FGO

**Robbs**  
Longwell, J. H. ... OCF

**Rockford**  
Bruner, Richard C. CN  
Fernald, Evelyn I. G  
Johnson, Miss A. F. B  
Purdy, George C. MKB  
Richardson, D. ... F

**Rock Island**  
Cederberg, W. E. ADB  
Fryxell, F. M. ... EFG  
Larson, Karl G. ... BD  
Nothstein, I. O. ... OLK  
Yingling, Hal C. ... GFE

**St. Elmo**  
Kanatatz, C. Leplie . F

**Savanna**  
Round, Oliver H. MEC

**Springfield**  
Bonn, George S. ... CM  
Byerley, J. R. ... FGQ  
Deuel, Thorne ... HIF  
Dougherty, E. R. ... F  
Downing, W. C. Jr. ... MBA

Gallahue, J. T. ... BAQ  
Helme, H. R. ... D  
Hockenoy, G. L. ... CFG  
Holtz, Frederick C. M  
Jones, A. J. ... NCO  
Ledgewood, R. ... IN  
Light, F. W. ... NA  
Michael, Viola M. NFG  
Richardson, B. K. ... NO  
Spaulding, Charles C.  
Vernon, Georgell. N  
Weart, J. G., Jr. ... CGM

**Sterling**  
Jones, Silas ... I  
Ward, Philip H. ... FG

**Urbana**  
Adams, Leverett A. FG  
Adams, Roger ... C  
Anderson, H. W. ... GO  
Anderson, H. H. ... IQ  
Bailey, Harold W. A  
Baker, P. C. ... EF  
Baker, Robert H. ... DB  
Baldus, Walter V. ... F  
Bamber, Lyle E. ... F  
Barker, Roger G. ... IFQ  
Bartow, Miss V. ... C  
Bayley, Wm. S. ... E  
Beardles, Miss J. R. CN  
Beard, J. Howard ... NQ  
Bell, Alfred H. ... E  
Blair, J. C. ... O  
Blanchard, R. A. ... FO  
Boewe, G. L. ... GO  
Brannon, J. M. ... GNC  
Buchholz, John T. ... G  
Burmester, B. R. ... ONF  
Buswell, Arthur M. ... C

### Urbana, Cont'd.

Cady, Gilbert H. ... E  
Carman, Albert P. ... B  
Carmichael, R. D. ... AL  
Carroll, W. E. ... OCF  
Carter, C. W. ... EBC  
Case, H. C. M. ... KO  
Clark, George L. ... CB  
Cobb, T. H. ... Q  
Coble, Arthur B. ... A  
Cockrum, E. E. ... OGK  
Colby, A. S. ... OGQ  
Compton, Charles C. F  
Cowles, John T. ... IN  
Cuthorne, A. R. ... AK  
De Turk, E. E. ... OCG  
Donner, Herman B. GO  
Dorsey, M. J. ... GO  
Dungan, Geo. H. ... OG  
Ekblaw, G. E. ... EFM  
Enger, M. L. ... M  
Englis, D. T. ... C  
Fairbanks, B. W. ... OC  
Finan, John L. ... IN  
Fletcher, Harris. ... LO  
Flint, Wesley P. ... FGO  
Frison, Theodore H. F  
Fuson, R. C. ... C  
Gaines, W. L. ... OF  
Geith, Hans H. ... K  
Gianturco, Cesare ... N  
Gillespie, James B. ... N  
Graham, Robert ... FN  
Griffith, Coleman R. I  
Hagan, Wallace W. ... E  
Hague, Miss M. S. ... G  
Hall, B. Vincent ... FN  
Hanks, L. M., Jr. ... IHK  
Harcill, T. Willard . I  
Hayward, H. N. ... MQB  
Heusinkve'd, D. ... OG  
Hiller, E. T. ... KH  
Hoff, C. Clayton ... FG  
Hopkins, B. Smith ... C  
Hottes, Charles F. ... G  
Huelsen, Walter A. OG  
Jordan, Harvey H. ... M  
Keyes, D. B. ... CBM  
Knight, A. R. ... MBQ  
Knip, C. T. ... B  
Kudo, R. R. ... FN  
Lamar, J. Everts ... E  
Larsh, Howard W. CF  
Leighton, Morris M. E  
Levine, Norman D. FN  
Loomis, F. W. ... B  
Lorenz, Ralph W. ... OG  
McClure, M. T., Jr. ... I  
MacMasters, Miss  
Majelm. ... CGB  
McMunn, Richard L. O  
Marvel, Carl S. ... C  
Metcalf, Clell Lee FNO  
Miller, George A. ... A  
Mills, Miss R. ... CNF  
Milner, R. T. ... C  
Mitchell, H. H. ... NCO  
Monroe, Walters. ... IQ  
Moore, H. F. ... M  
Morgan, J. H. ... BM  
Nakamura, F. I. ... CNO

### Urbana, Cont'd

News, W. B. ... ON  
Newcomb, R. ... HLM  
Noyes, W. A. ... C  
Oldfather, W. A. ... L  
O'Neal, Russell ... B  
Outhouse, Miss J. ... CN  
Page, John L. ... E  
Parr, Miss R. M. ... CQG  
Parry, John J. ... LO  
Paton, Robert F. ... B  
Pennington, L. A. IFN  
Pepper, Miss Echo D. A  
Piersol, Robert J. ... B  
Prosser, C. Ladd ... FN  
Putnam, W. J. ... MBE  
Quirke, T. T. ... E  
Reed, Frank H. ... C  
Reich, Herbert J. ... MB  
Ries, Donald T. ... FO  
Roberts, Elmer ... FGO  
Robinson, T. W. ... FGC  
Rodebush, W. H. ... CB  
Rose, W. C. ... CN  
Rusk, H. P. ... O  
Satterthwait, A. F. ... FGO  
Satterthwait, Mrs. E. A. FGK  
Savage, T. E. ... E  
Schoof, H. F. ... FGN  
Schopf, James M. ... EG  
Schulz, W. F. ... B  
Severens, J. M. ... NFO  
Seybolt, K. F. ... LN  
Shanor, Leland ... G  
Shriner, Ralph L. ... C  
Shumway, Waldo ... FN  
Smith, B. Othanel ... Q  
Smith, L. H. ... CGO  
Spaeth, J. Nelson ... GO  
Steggeida, F. R. ... N  
Stevens, N. E. ... GL  
Street, Roy F. ... IQ  
Sutton, A. H. ... E  
Swann, S. Jr. ... C  
Talbot, A. N. ... M  
Tanner, Fred W. ... NCG  
Tawney, G. A. ... IKQ  
Taylor, A. B. ... FNG  
Tehon, Leo R. ... G  
Terry, Henrietta ... A  
Thomas, Lyle J. ... F  
Thornberry, H. H. GCB  
Tippo, Oswald ... G  
Titcomb, Miss Jane ... E  
Townley, Miss E. ... E  
Trelease, William ... G  
Tritzinsky, W. J. ... A  
Tykociner, J. T. ... MBK  
VanCleave, H. J. ... F  
Vestal, Mrs. W. M. P. G  
Voskuil, W. H. ... KGE  
Waldo, Edward H. ... M  
Wallace, G. I. ... N  
Wanless, Harold R. ... E  
Ward, H. B. ... FN  
Watson, F. R. ... B  
Weber, Oscar F. ... O  
Whiting, A. L. ... FGO  
Wickelham, L. J. ... GN

### Urbana, Cont'd.

Williams, E. H. ... B  
Wilson, Miss F. L. ... NG  
Wilson, W. M. ... MBA  
Wolf, Donald E. ... C  
Womack, Madelyn ... C  
Woodrow, Herbert ... I  
Woodworth, C. M. ... GO  
Yapp, Robert G. ... C  
Znaniecki, Florian ... K

### Vienna

Creager, Mrs. M. ... FGQ

### Waukegan

Durham, O. C. ... GND  
Lake, George B. ... NKL  
Peters, Paul E. ... CBA  
Swope, Miss G. ... CAB

### Western Springs

Ronneberg, C. E. ... BCD

### Wheaton

Buswell, J. O., Jr. ... KQ  
Carpenter, C. K. ... FG  
Cole, G. G. ... KHE  
Cooke, Robert L. ... QI  
Dixon, Miss H. ... GEF  
Eavey, C. B. ... IQ  
Fawcett, C. G. ... C  
Grigolia, Alexander . H  
Leedy, John ... G  
Mack, James B. ... F  
Stanley, Paul E. ... BM  
Taylor, H. O. ... BAD  
Wright, Paul M. ... CEB

### Wheeling

Neumann, Fred R. ... EQ

### Wilmette

Billow, Clayton O. ... M  
Davis, David John ... N  
Gillson, Mrs. M. S. CSD  
Jones, Hilton Ira ... C  
Nuzum, John W. ... N  
Snow, L. H. ... N  
Struven, Edw. D. KMQ  
Weaver, George H. ... N

### Winnetka

Alscher, Mrs. R. H. ... IQ  
Bradshaw, Miss D. A. I  
Frazer, G. E. ... KA  
French, D. K. ... CM  
Henderson, L. M. ... C  
Hilpert, Willis S. ... C  
Humphrey, H. K. ... M  
Lebeson, Herman ... C  
McEwen, W. K. ... CFN  
Ruckmick, C. A. ... I  
Sauer, Louis W. ... N  
Starr, Paul ... N

### Woodstock

Marsh, Charles ... BDP

### Zion

Scripter, Otis ...

## INDIANA

### Bedford

Guernsey, E. Y. ... H  
Kriebel, Ralph M. GFO

### Bloomington

Andrews, Frank M. ... E  
Baderscher, J. A. ... N  
Bittner, W. S. ... HK

### Bloomington, Cont'd.

Book, William F. ... I  
Broyles, Ralph ... C  
Bryan, W. L. ... IK  
Cleland, Ralph E. ... G  
Conklin, Edmund S. I  
Cummings, E. R. ... E  
Davis, Roland C. ... I

### Bloomington, Cont'd.

Edmondson, C. E. ... FN  
Fidlar, M. M. ... ECD  
Franzen, Carl G. F. ... O  
Galloway, J. J. ... E  
Harmon, Paul M. ... N  
Hartman, R. J. ... CBA  
Hecht, Adolph ... G

### Bloomington, Cont'd.

Kanning, E. W. ... CBA  
Kantor, Jacob R. ... LIH  
Kellorg, W. N. ... I  
Kinsey, Alfred C. ... F  
Logan, William N. ... E  
Lohman, Marion L. ... G  
Louttit, C. M. ... IHK

**Bloomington, Cont'd**  
 McClung, L. S. . . . . NOC  
 Malott, C. A. . . . . E  
 Miner, W. B. . . . . BCQ  
 Mitchell, A. C. G. . . . . BC  
 Moore, Marvin G. . . . . ABD  
 Payne, Ferdinandus . . . . F  
 Ramsey, Rolla Roy . . . . E  
 Robinson, Miss U. . . . . CN  
 Roff, Merrill . . . . . I  
 Scott, V. Brown . . . . . N  
 Smith, H. L. . . . . O  
 Snoddy, George S. . . . . I  
 Sonneborn, T. M. . . . . FGK  
 Switzer, J. Elmer . . . . . E  
 Thornbury, W. D. . . . . E  
 Topper, Robert C. . . . . IKN  
 Torrey, T. W. . . . . F  
 Visser, S. S. . . . . E  
 Weatherwax, Paul . . . . G  
 White, Jesse Hayes . . . . IO  
 Williams, K. P. . . . . AD

**Bluffton**

Caylor, Harold . . . . . N  
 Deam, Charles C. . . . . G

**Boonville**

Snyder, W. T. . . . . OG

**Camby**

Zerfas, Leon G. . . . . NC

**Carmel**

Grubbs, S. B. . . . . N

**Chesterton**

Rogers, T. Hunton . . . . C

**Clarks Hill**

Bryant, Mrs. D. . . . . FGQ

**Collegeville**

Kroeckel, C. J. . . . . FBG

**Crawfordsville**

Bechtel, A. R. . . . . G  
 Furgason, W. H. . . . . FG  
 Gantz, E. St. Clair . . . . CBE  
 Howell, L. B. . . . . COG  
 Polley, J. C. . . . . ABK  
 Scott, J. Paul . . . . . F

**Culver**

Kernohan, R. H. . . . . BQ

**Danville**

Hunt, Virgil . . . . . CBA  
 Steinbach, L. I. . . . . BCP

**Dexter**

James, Louis E. . . . . BCA

**East Chicago**

Phillips, Ernest B. . . . . CD

**Evansville**

Aleck, A. W. . . . . QI  
 Bulls, Charles E. . . . . CNF  
 Carman, K. W. . . . . E  
 Cope, Alfred B. . . . . IO  
 Hedman, Fritz A. . . . . CBM  
 Ma, Frederick . . . . . CN  
 McDonald, F. G. . . . . C  
 MacKenzie, Pierce . . . . N  
 Stanton, Harmon L. . . . N  
 Strickler, Alvin . . . . . K  
 Young, Leonard . . . . . CQ

**Fort Wayne**

Bick, J. A. . . . . C  
 Breeze, F. J. . . . . E  
 Farnsworth, P. T. . . . . BM  
 Hull, Louie . . . . . B

**Fort Wayne, Cont'd.**

Kline, J. J. . . . . M  
 Lichtenberg, C. . . . . MBI  
 Rawles, L. T. . . . . N  
 Rhamy, B. W. . . . . NCG  
 Williams, J. A. . . . . CNP

**Franklin**

Kent, John F. . . . . FG  
 Mullendore, Miss N. . . . G

**Gary**

Kobrak, Heinrich . . . . NI  
 Lieberman, Arnold . . . . NF  
 Stoycoff, Christ M. . . . N  
 Sturm, Tillie . . . . . FG

**Goshen**

Lehman, Daniel A. . . . AD

**Greencastle**

Blanchard, W. M. . . . . C  
 Edington, Willie . . . . ABD  
 Giddings, Glenn W. . . . BA  
 Hickman, C. P. . . . . F  
 Martin, W. E. . . . . FNH  
 Middleton, W. C. . . . . IOF  
 Reynolds, Albert E. . . . F  
 Smith, Ernest Rice . . . . E  
 Smith, Orrin H. . . . . B  
 Welch, Winona H. . . . . G  
 Yunker, T. G. . . . . GNO

**Hammond**

Forster, N. K. . . . . N  
 Kuhn, Hedwig S. . . . . NKO  
 Kuhn, Hugh Alva . . . . N  
 McAtee, Miss V. . . . . FG  
 Tennant, T. R. . . . . CO

**Hanover**

Guthrie, Ned . . . . . C  
 Hyatt, Joseph L. . . . . FG  
 Martin, R. E. . . . . B  
 Meyer, H. A. . . . . AKB

**Hartford City**

Baker, Miss Lora . . . . E  
 Pearson, Miss H. R. . . . QA

**Holy Cross**

Eggleston, Sister M. F. . . IO  
 Lucretia, Mother M. . . . CGN

**Huntington**

Loew, Fred A. . . . . G  
 Mason, Harold . . . . .  
 Wimmer, Miss R. M. . . . CQE

**Indianapolis**

Arnott, E. H. . . . . F  
 Bibbins, F. E. . . . . CNP  
 Black, Glenna . . . . . H  
 Black, R. L. . . . . FG  
 Blatchley, W. S. . . . . F  
 Brosey, Charles L. . . . . B  
 Bruner, Henry Lane . . . . F  
 Campbell, M. S. . . . . NCG  
 Campbell, Miss M. F. . . .  
 Carter, J. W., Jr. . . . . IHN  
 Chen, K. K. . . . . NP  
 Clark, C. F. . . . . N  
 Clowes, G. H. A. . . . . CN  
 Clute, W. N. . . . . G  
 Coulter, Stanley . . . . . G  
 Cox, Clara F. . . . . G  
 Culbertsen, C. G. . . . . N  
 Doyle, John J. . . . . IQH  
 Dunwoody, J. R. . . . . C  
 Feuerlicht, M. M. . . . . LKI

**Indianapolis, Cont'd**

Fisher, G. A. . . . . C  
 Fisk, Frank B. . . . . CN  
 Fiske, A. Hastings . . . . NC  
 Fortune, W. B. . . . . C  
 Friesner, Ray C. . . . . G  
 Gilman, L. H. . . . . NCK  
 Grant, Charlotte L. . . . . G  
 Hadley, Murray N. . . . . N  
 Hamp, Frank A. . . . . GFN  
 Hanley, W. A. . . . . MKA  
 Hanske, Carl F. . . . . CO  
 Harger, R. N. . . . . C  
 Harris, Paul N. . . . . N  
 Hartley, Harry D. . . . . BCE  
 Haynes, Edith . . . . . NG  
 Helmer, Oscar M. . . . . C  
 Henderson, Miss R. V. . . . CGF

Hightower, P. R. . . . . IOH  
 Hulpius, H. R. . . . . NPFC  
 Jamieson, W. A. . . . . NC  
 Kiser, Edgar F. . . . . NL  
 Kohlstaedt, K. G. . . . . N  
 Krah, M. E. . . . . CNF  
 Lapenta, Vincent A. . . . N  
 Lee, H. M. . . . . NpC  
 Lilly, Eli . . . . . CHN  
 Link, Goethe . . . . . D  
 McCaskey, Carl H. . . . . N  
 Moser, Rollin H. . . . . N  
 Nester, H. G. . . . . FNC  
 Noble, T. B., Jr. . . . . NH  
 Olive, E. W. . . . . G  
 Page, I. H. . . . . NC  
 Pearson, Nathan E. . . . . F  
 Peavey, Mrs. L. . . . . GB  
 Powell, H. M. . . . . N  
 Price, James F. . . . . BCA  
 Pulfrey, A. L. . . . . CM  
 Ratti, Gino . . . . . LOK  
 Rawls, Miss E. S. . . . . GNO  
 Remke, Sister M. N. . . . . C  
 Rhodehamel, H. W. . . . . C  
 Rice, Thuman B. . . . . N  
 Richardson, W. L. . . . . OI  
 Ritchey, J. O. . . . . N  
 Sage, Russell A. . . . . NFII  
 Schley, George B. . . . . CBM  
 Shuler, Lacey L. . . . . N  
 Spaunhurst, J. F. . . . . N  
 Sullivan, Russell . . . . . D  
 Swanson, E. E. . . . . NP  
 Thompson, H. B. . . . . BAC  
 Thornton, H. C. . . . . N  
 Wade, Frank B. . . . . C  
 Weaver, F. R. . . . . ME  
 Weaver, M. M. . . . . FN  
 Wishard, Wm. N., Jr. . . . N  
 Wright, H. F. . . . . FGE  
 Wright, John S. . . . . G

**Jasonville**

Liston, Jesse G. . . . . EIQ

**Kentland**

Rector, Miss Avis . . . . CAN

**La Fayette**

Arthur, J. C. . . . . G  
 Brunson, A. M. . . . . FGO  
 Buel, Miss Eva L. . . . . CNO  
 Bushnell, T. M. . . . . O  
 Caldwell, Ralph M. . . . . G  
 Cartwright, W. B. . . . . F  
 Corley, Ralph C. . . . . NC  
 Davis, John June . . . . . F  
 Degering, E. F. . . . . C  
 Duff, Miss Helen . . . . . I  
 Elliott, Edward C. . . . . Q  
 Girton, Raymond E. . . . . G  
 Greene, Laurenz . . . . . O  
 Hauge, Sigfred M. . . . . CO  
 Headlee, W. H. . . . . FN

**La Fayette, Cont'd.**

Hiestand, Wm. A. . . . . FGN  
 Johnson, A. P. . . . . MI  
 Kennedy, Glenn . . . . . CN  
 Knight, F. B. . . . . IQ  
 Kraybill, H. R. . . . . CG  
 Lambert, W. V. . . . . FO  
 Lanczos, Cornelius AB  
 Lark-Horowitz, K. . . . . B  
 Lee, C. O. . . . . CGNP  
 Ludy, Llewellyn V. . . . . MQ  
 Luginbill, Philip . . . . . F  
 McClintock, J. A. . . . . GO  
 Mackay, Elizabeth . . . . . G  
 Montgomery, J. B. E. . . . FO  
 Painter, H. K. . . . . F  
 Pearce, D. W. . . . . CE  
 Peters, Sister J. . . . . EOJ  
 Redfield, Gail M. . . . . OB  
 Reed, Harry James . . . . IO  
 Remmers, H. H. . . . . O  
 Ross, David E. . . . . M  
 Samson, R. W. . . . . G  
 Schuck, Cecelia . . . . . NNC  
 Serviss, Fred L. . . . . EMII  
 Shreve, R. Norris . . . . . C  
 Smith, Albert C. . . . .  
 Smith, W. W. . . . . O  
 Stewart, G. W. . . . . EMD  
 Stratton, D. C. . . . . QIK  
 Test, L. A. . . . . CF  
 Trimble, Otis C. . . . . THQ  
 Walter, E. V. . . . . F  
 Wean, Robert E. . . . . CGO  
 White, V. B. . . . . O  
 Wiancko, A. T. . . . . G

**Marion**

Huffman, J. A. . . . . ELO  
 Young, J. H. . . . . C

**Michigan City**

Klouman, I. I. . . . . MCB

**Milroy**

McIlvaine, Miss M. . . . . AD

**Mishawaka**

Bennett, R. G. . . . . C  
 Blakeway, W. F. . . . . CAB  
 Huff, C. Elton . . . . . CBN

**Muncie**

Christy, O. B. . . . . FG  
 Clauser, E. I. . . . . NIK  
 Cooper, Robert H. . . . . FQ  
 Fenimore, H. Emory . . . . CBA  
 Hurlbut, Floy . . . . . EK  
 McCormick, R. N. . . . . FN  
 Montgomery, L. G. . . . . N  
 Peters, Robert J. . . . . CDE  
 Scarf, Robert . . . . . IO  
 Stephens, J. A. . . . . B  
 Watts, Miss M. . . . . GFE  
 Weber, Robert C. . . . . CN  
 Woodruff, N. H. . . . . FGA

**North Manchester**

Kintner, Edward . . . . . FG  
 Morris, C. S. . . . . BD  
 Neher, O. W. . . . . GO  
 Ulrey, Clayton T. . . . . B  
 Weimer, Harry R. . . . . C

**Notre Dame**

Bolger, H. J. . . . . B  
 Collins, George . . . . . B  
 Greene, R. L. . . . . NMC  
 Haas, Arthur E. . . . . BDA  
 Jackson, D. C., Jr. . . . . MQ

**Notre Dame, Cont'd.**

Just, Theodor .... GFE  
Kaczmarek, R.M. NGF  
Maurus, E.J. .... A  
Menger, Karl .... A  
Molter, John A. .... F  
Noecker, N.L. .... G  
O'Grady, D.C. .... I  
Reyniers, James A. .... N

**Oakland City**

Landlaw, H.H., Jr. FOG

**Paoli**

Bentley, Arthur F. ..K

**Red Key**

Rosenkraus, R.R. EAB

**Rensselaer**

Babcock, W.C. .... M(O)

**Richmond**

Hole, Allen D. .... E  
Maikle, M.S. .... G  
Wildman, Ernest A. C  
Wilson, A.H. .... EFG

**St. Mary-of-the-Woods**

FitzGerald, D. .... C  
Lucy, Sister M.R. .... FNG  
O'Connor, Miss M.W. G

**Seymour**

Osterman, Henry NpC

**Sharpville**

McReynolds, L.W. FG

**Shelbyville**

Inlow, W.D. .... NIB

**South Bend**

Baldinger, L.H. .... CN  
Bockskey, S.C. .... F  
James, William S. BCM  
Lyon, M.W., Jr. .... FNC  
Lyon, M.M.B. .... N  
Schubert, Carl C. .... CBF  
Sparrow, Stanwood .M

**South Whitley**

Germann, A.F.O. .... CON

**Spencer**

Banta, Miss Edna . GF

**Sullivan**

Thompson, W.N. .... CN

**Terre Haute**

Dale, J.K. .... C  
Graam, D.G. .... NFC  
Howlett, Berton A. .B  
Johnson, David F. .... F  
Knipmeyer, C.C. MBQ  
Mackell, J.F. .... BD  
Martin, Jerome .CBA  
Moorhead, James J. .N  
Morey, Glen H. .... C  
Noyes, Bessie .... F  
Prentice, D.B. .... M  
Shontz, Miss G. .... QFG  
Smith, Ben H. .... C  
Strong, Ralph K. .... C  
Tirey, Ralph N. .... QIK  
White, John .... C

**Tipton**

Glass, Leroy C. .... FNQ

**Upland**

Ayres, B.W. .... IQK  
Draper, Miss O.M. .... ABD

Evans, G.H. .... CBA  
Ritchie, Earland .... B  
Stuart, R.L. .... C

**Valparaiso**

Amstutz, Noah S. .... BM  
Cushman, P.A. .... M  
Elliott, Frank R. .... FNG  
Larson, R.G. .... C  
Thrun, Walter E. .... CN

**Vincennes**

Pierce, Leslie .... G

**Wabash**

Black Roy, D. .... C  
Bues, Harry W. .... QIA

**Waldron**

Wagoner, K.S. .... I

**Warsaw**

Miner, Dewey H. BFM

**West Baden Springs**

Lemmer, J.G. .... ABC

**Westfield**

Doan, Martha .... C  
Newcomer, J. Leon MB

**West Lafayette**

Abbott, Raymond B. .B  
Allen, Fred J. .... CBQ  
Behrens, Charles A. .N  
Brewer, P.H. .... O  
Cable, Raymond M. FC  
Carr, R.H. .... C  
Cope, D.S. .... CM  
Cramer, S.S. .... Q

**West Lafayette,**

Cont'd.  
DeKay, H.G. .... NpCO  
Dunham, D.H. .... FGN  
Enders, H.E. .... F  
George, R.H. .... BCM  
Herrick, T.J. .... MAB  
Hoffer, George N. .... F  
James, C.M. .... FNO  
Jerome, Eldon K. .... I  
Jordan, C.B. .... CNp  
Kelly, E. Lowell .... I  
Maddox, James S. INB  
Martin, J. Holmes .... O  
Matthews, Miss M.L. .... KIO

Meikle, G Stanley M  
Mellon, M.G. .... C  
Munro, G.W. .... MBQ  
Newton, Roy F. .... CBA  
O'Shea, Harriet E. IQK  
Pacey, Guy .... M  
Poorman, A.P. .... QM  
Porter, Charles L. .... G  
Potter, A.A. .... MBA  
Rifenburgh, S.A. FNO  
Robbins, Charles K. A  
Shreve, D.R. .... AQM  
Shuman, John R. .... FG  
Sprague, C.S. .... MBA  
Starr, Edw. C. .... OGC  
Stedman, C.K. .... BEM  
Steer, M.D. .... INB  
Templin, Miss M. IQN  
Troop, James .... F  
Zscheile, F.P., Jr. CGO

**Whiting**

McNeil, C.P. .... C  
Roberts, E.N. .... C

**Wolcottville**

Pierce, Miss M.E. .IEK

**IOWA****Adel**

Straight, H.R. .... MCB

**Alta**

Hadden, David E. .... DC

**Ames**

Aikman, J.M. .... GOC  
Bakke, Arthur L. .... G  
Barre, Henry J. .... MOB  
Becker, Elery R. .... FN  
Benbrook, E.A. .... NF  
Bergman, H.D. .... NQC  
Bird, Emerson W. .... CO  
Brown, F.E. .... CQB  
Brown, L.T. .... M  
Buchanan, R.E. .... NGO  
Buchholtz, W.F. .... GO  
Clark, Norman A. COG  
Coover, Winfred F. .... C  
Craff, W.A. .... OF  
Dana, Forest C. .... MAQ  
Drake, Carl J. .... F  
Edgar, Miss Rachel .C  
Errington, P.L. .... FGE  
Evans, J.E. .... IQK  
Foladare, Joseph OKB  
Foust, H.L. .... CFN  
Fox, Gerald W. .... B  
Fritz, Martin F. .... I  
Fulmer, Ellis I. .... C  
Gaessler, W.G. .... CO  
Gaskill, Harold V. .... I  
Gilkey, H.J. .... MAQ  
Gilman, Henry .... C

**Ames, Cont'd.**

Gilman, J.C. .... G  
Goodman, George J. .G  
Gouwens, Cornelius .A  
Gowen, J.W. .... F  
Gwynne, C.S. .... EQC  
Harber, William L. .C  
Harris, Halbert M. FG  
Hayden, Ada .... G  
Heiser, M.D. .... OCO  
Herr, Miss G.A. .... A  
Hewitt, E.A. .... NCO  
Holl, Di Lewis .ABM  
Hughes, H.D. .... OGO  
Kildee, H.H. .... O  
Knight, Harry H. .... F  
Kunert, William BCD  
Larsen, Julius A. .... GO  
Lauer, A.R. .... IQF  
Lee, J.S. .... C  
Levine, Max .... N  
Lindstrom, E.W. GFO  
Lonsdale, John T. .... E  
Loomis, W.E. .... GO  
Lucas, Alfred M. .... FN  
Lucas, M.S. .... FN  
Lusk, Jay L. .... FO  
McBryde, C.N. .... C  
McKelvey, J.V. .... A  
McNutt, S.H. .... NF  
Martin, John N. .... G  
Melhus, Irving E. .... G  
Morgan, Barton .... C  
Nelson, V.E. .... CNO  
Paddock, F.B. .... F  
Park, O. Wallace .... F

**Ames, Cont'd.**

Pickett, B.S. .... OG  
Pierre, W.H. .... OGC  
Plagge, Herbert J. .... B  
Poor, Miss M. .... FG  
Forges, Nandor .... CG  
Porter, R. Howard .C  
Pultz, L.M. .... GO  
Rayman, M.M. .... CFN  
Reddy, Chas. S. .... G  
Richardson, C.H. .... F  
Ruth, Burrell F. .... C  
Sanders, Earl .... FG  
Schulz, J.A. .... CNO  
Schwarte, L.H. .... N  
Shane, Adolph .... BM  
Smith, Erma A. .... FN  
Snedecor, G.W. .... B  
Spatz, Sydney M. .... CNF  
Spinney, L.B. .... B  
Sprague, George F. .... GO  
Stiles, Harold .... B  
Strawn, Miss B.M. .... CBF  
Swanson, Lydia V. .... C  
Sweeney, O.R. .... M  
Tauber, Oscar E. .... NFC  
Underkofer, L.A. CGO  
Vance, Thomas F. .... IQ  
Wellhouse, Walter H. .... FG  
Werkman, C.H. .... N  
Wert, James E. .... QI  
Willson, L.H. .... Q  
Wilsie, Carroll P. OGC  
Winsor, C.P. .... AFG

**Ames, Cont'd.**

Woodrow, Jay W. .... B  
Yoder, Lester .... CN  
Young, George Y. .... G

**Anamosa**

Smith, Paul N. .... O

**Carroll**

Anneberg, Reas .... NT

**Cedar Falls**

Begeman, Louis .... B  
Grant, Martin L. .... GF  
Heinonen, J.C. .... QGF  
Kadesch, W.H. .... B  
Lantz, C.W. .... GOQ  
Parish, Jessie A. .... GF  
Rath, H. Earl .... NF

**Cedar Rapids**

Beetham, R.B. .... MBA  
Coffin, Leroy M. .... AB  
Foster, C.S. .... Nd  
Mulrow, F.W. .... N  
Newell, Walter S. .... I  
Stiles, Karl A. .... F  
Stokey, S.W. .... EG  
Tibau, Sister M.E. .... FGN

Widmer, J.M. .... CP

**Charles City**

Cavett, Jesse W. .... CN  
Morehouse, Neal F. .... F

- Cherokee**  
Obermann, C.F. ....N
- Clarinda**  
Neal, O.R. .... O
- Clinton**  
Peckham, Geo. T., Jr. ....CMP
- Davenport**  
Hauber, U.A. ....FEG  
Kornder, L.H. ....NFG  
Lillis, G.A. ....C  
Mast, Gifford M. ....MIB  
Shipman, Truman G. ....B
- Decorah**  
Highby, Paul R. ....FON  
Hoslett, Sherman FGI  
Miller, Emil C. ....BAQ  
Norlie, O.M. ....IKA  
Stabo, T. ....N  
Waldeland, C.R. ....CN
- Des Moines**  
Beer, Paul. ....M  
Bierring, Walter L. ....N  
Brandt, Herman F. ....IB  
Chamberlain, L.H. ....Np  
Cook, C.P. ....NCI  
Fowler, Oliver ....IC  
Holton, Ruby Ana ....Q  
Huff, George C. ....FNG  
Hunter, R.G. ....KA  
Johnson, Miss A.L. ....KIQ  
Johnson, Leland P. ....F  
Morehouse, D.W. ....D  
Nollen, Henry S. ....DBA  
Reed, Charles D. ....BO  
Rider, Arthur J. ....CO  
Ritchey, Charles J. ....LO  
Sanders, W.E. ....N  
Sayre, E.V. ....CAD  
Shawhan, Mrs. F.M. ....FG  
Sylvester, R.H. ....I  
Weeks, Carl ....CN  
Wifvat, S.J.A. ....BD  
Wilson, Ward H. ....CBD  
Yoder, Lee O. ....E
- Dubuque**  
French, R.A. ....FG  
Geiger, Sister M. J.T. ....FGI  
Goldsmith, W.M. ....FG  
Heitkamp, G.W. ....BE  
Lutes, Neil T. ....C  
Schulte, George N. ....CB  
Wight, M.G. ....QIK  
Zuker, W.B. ....C
- Fairfield**  
Carter, Charles ....EFG  
Clarke, J.F. ....N  
Dole, J. Wilbur ....EG  
Gunthorp, Horace ....F
- Fairfield, Cont'd.**  
McKenzie, R.M. ....C  
Vinton, Miss C.A. ....CN
- Fayette**  
Black, Clarence J. ....CM
- Fort Dodge**  
Kluever, H.C. ....N
- Fort Madison**  
Casey, Robert S. ....CMB
- Grinnell**  
Adams, J. Alfred ....F  
Conard, Henry S. ....G  
Douglass, L.C. ....IQH  
Henderson, Mack T. ....I  
Norris, H.W. ....F  
Sargent, Louisa ....G
- Hedrick**  
Hinds, R.E. .... O
- Indianola**  
Doty, H.S. ....GFO  
Emmons, C.W. ....A
- Iowa City**  
Alcock, N.G. ....N  
Allen, James H. ....N  
Annis, Albert D. ....IK  
Ash, Elton ....IO  
Barnes, Milford E. ....N  
Bartow, Edward ....C  
Beams, H.W. ....F  
Berg, Clarence P. ....CN  
Bijou, Sidney W. ....IQH  
Bodine, J.H. ....FNC  
Bond, Perry A. ....C  
Brinkhous, K.M. ....NCF  
Bryan, A.W. ....Nd  
Carothers, E. Eleanor F  
Coleman, George H. ....C  
Croft, Huber O. ....M  
Davies, G.R. ....K  
Dennison, R.A. ....G  
Dill, Homer R. ....F  
Edwards, Miss B. ....NC  
Ensign, F.C. ....Q  
Evans, Titus ....F  
Fairbanks, Grant ....IB  
Fellowes, O.N. ....N  
Flocks, Rubin ....N  
Hale, William M. ....N  
Heeren, Ralph H. ....N  
Hershey, H.G. ....EM  
Horn, Ernest ....O  
Houser, G.L. ....F  
Ingram, W.R. ....N  
Jahn, Theo. L. ....FG  
Kay, G.F. ....E  
King, Robert L. ....F  
Knapp, Miss E. ....CNF  
Knower, F.H. ....IQK  
Knowlton, G.C. ....NCF  
Kuever, R.A. ....NpC  
Kurtz, Edwin ....MK  
Lambert, Avery E. ....N  
Lewin, Kurt ....IKH  
Lierle, Dean M. ....N
- Iowa City, Cont'd.**  
Loehwing, W.F. ....GCO  
McBroom, Miss M. ....Q  
McClintock, John T. ....N  
MacEwen, E.M. ....HFN  
McGeoch, John A. ....IO  
Marsh, Gordon ....FG  
Martin, George W. ....G  
Mattill, Henry A. ....CN  
Meier, Norman C. ....IK  
Miller, A.K. ....E  
O'Brien, C.S. ....NC  
Ojemann, R.H. ....QIK  
Plass, E.D. ....N  
Raiford, L.C. ....C  
Rietz, H.L. ....AK  
Risley, P.L. ....FNE  
Robertson, W.R.B. ....FHN  
Rowley, H.H. ....C  
Runner, J.J. ....E  
Salit, P.W. ....C  
Seashore, C.E. ....HIQ  
Seegers, W.H. ....CN  
Skeels, Harold M. ....I  
Slifer, Miss E.H. ....F  
Smith, Fred M. ....N  
Smith, H.P. ....N  
Spence, Kenneth W. ....I  
Stewart, G.W. ....B  
Stoddard, George D. ....QI  
Stromsten, F.A. ....F  
Strother, Charles R. ....IN  
Stroud, J.B. ....IO  
Thompson, Vincent F  
Thompson, A.C. ....E  
Trowbridge, Miss C. ....F  
Van Epps, C. ....N  
Ward, Lewis E. ....A  
Warner, E.D. ....N  
Wellman, Beth ....QI  
Wheatley, M.D. ....FNG  
Winter, Charles A. ....NF  
Witschi, Emil ....F  
Woodruff, Miss S. ....CO  
Wylie, C.C. ....DA  
Wylie, R.B. ....G
- Jewell**  
Tallman, R.W. ....QI
- Keokuk**  
Knight, F.P.H. ....C  
Wettstein, T.F. ....PMC
- Knoxville**  
Terry, M.C. ....N
- Lamoni**  
Platz, Gustav A. ....G  
St. John, Miss N.B. ....C
- McGregor**  
Sherman, Miss A.R. ....F  
Sherman, E. Amelia ....N
- Marshalltown**  
Stone, George, Jr. ....CNF  
Wolfe, Otis Rudolph N  
Wolfe, Russell M. ....NOB
- Milford**  
Kendeigh, S.C. ....FGE
- Mt. Pleasant**  
Galer, Roger S. ....BCD  
Jaques, H.E. ....FG  
Mitchell, M.B. ....INQ
- Mount Vernon**  
Brooks, Frank G. ....F  
McGaw, F.M. ....ADB  
Miner, Neil A. ....E  
Moots, Elmer E. ....AMD
- Moville**  
Everhart, Calvin C. ....M
- Muscataine**  
Daughness, Lyle C. ....CNG  
Halstead, Mrs. A.L.B. ....CDG
- Nevada**  
Conner, F.H. ....N
- Osceola**  
Hjort, Miss L.V. ....CQB  
Stroy, Herbert E. ....N
- Oskaloosa**  
Stokes, Ella H. ....QI
- Ottumwa**  
Hecker, Friedrich A. ....N  
Walker, Evon ....N
- Peterson**  
Heywood, Mrs. I.I.B. ....FG
- Plano**  
Zintz, Miles V. ....QI
- Plymouth**  
Holroyd, I.I.B. ....BAM
- Sioux City**  
Graber, M.E. ....ABM  
Hoxmeier, Sister M.C. ....GF  
Jepson, William ....N  
Pottebaum, Sister M.E. ....C  
Rochford, Sister M. De  
Pazzi ....A
- Storm Lake**  
Miller, S. Porter ....CFN  
Smith, Frederic F. ....FN  
Wyckoff, R.C. ....BDA
- Villisca**  
Stickler, W. Hugh FEG
- Vinton**  
Jones, David T. ....FN
- Waverly**  
Hertel, E.W. ....FGN
- West Liberty**  
Fenton, C.L. ....EF

## KANSAS

- Atchison**  
Blocker, Hubert W. ....F  
Payne, Sister M.A. ....F  
Pretz, P.H. ....B  
Stephens, Homer A. ....GF
- Clyde**  
Raleigh, Walter P. ....G
- Coffeyville**  
Thomas, Ray A. ....C
- Emporia**  
Breukelman, John ....F  
Larson, Miss E.E. ....FG  
Miller, R.F. ....BDE  
Peterson, O.J. ....ADM  
Ter Keurst, A.J. ....Q
- Garden City**  
Bennett, Dewey ....QGF
- Hays**  
Albertson, F.W. ....G  
Barton, A.W. ....CGN  
Bugbee, Robert E. ....F  
Hallsted, A.L. ....OGF  
Kelly, Geo. A. ....I
- Hays, Cont'd.**  
Rankin, Roy ....CN  
Robertson, G.M. ....FE  
Rouse, J.E. ....O  
Wooster, L.D. ....FGE  
Zinszer, H.A. ....BDA
- Hesston**  
Driver, D.D. ....A

- Hiawatha**  
 Taber, E. C., Jr. .... E
- Highland**  
 Culbertson, Miss R. M. .... AB
- Hutchinson**  
 Enberg, L. A. .... CNM  
 Morris, Mary Hope ....
- Kansas City**  
 Fecht, A. J. .... EMA  
 Weber, C. J. .... NC
- Larned**  
 Kitchen, Miss M. E. .... OKA
- Lawrence**  
 Allen, H. C. .... C  
 Baumgartner, W. J. .... F  
 Booth, W. E. .... G  
 Dains, F. B. .... CL  
 Eldridge, Seba .... KF  
 Frye, John C. .... EHB  
 Horr, W. H. .... G  
 Hungerford, L. B. .... F  
 Kester, F. E. .... B  
 Larson, Miss M. E. .... F  
 Latimer, H. B. .... NF  
 Latta, Bruce F. .... E  
 Lindley, Ernest H. .... I  
 Lohman, S. W. .... E  
 McLaughlin, Thad. .... EB  
 Mitchell, U. G. .... ALQ  
 Mix, A. J. .... G  
 Orr, Tom G., Jr. .... N  
 Posey, C. J. .... E  
 Price, G. Bailey .... A  
 Reese, J. Allen .... NCG  
 Rice, M. E. .... BMD  
 Schoewe, W. H. .... E  
 Sehmanman, Miss M. .... FN  
 Schwegler, R. A. .... QHI  
 Sherwood, N. P. .... N  
 Smith, Harold T. U. .... E  
 Stephenson, E. A. .... EM  
 Stevens, W. C. .... G  
 Stoland, O. O. .... N  
 Storier, N. Wyman .... DB  
 Stouffer, E. B. .... A  
 Stranathan, J. D. .... B
- Lawrence, Cont'd.**  
 Stratton, Geo. W. .... C  
 Swan, M. M. .... NC  
 Tissue, Miss K. A. .... CNO  
 Waite, Herbert A. .... EMC  
 Walling, Miss L. V. .... N  
 Weeks, Miss E. .... CL  
 Wolfson, Charles .... NFB  
 Woodward, Paik H. .... NC
- Leavenworth**  
 Melcher, G. W. .... KIO  
 Proietto, L. J. .... FGH  
 Ringwald, John C. .... KIH  
 Shea, Sister A. E. .... A
- Lindsborg**  
 Deere, Emil Olof .... FGE  
 Kleihege, Geo. W. .... K  
 Welin, John Eric .... CB
- McPherson**  
 Harnly, H. J. .... F  
 Hershey, J. Willard .... C
- Manhattan**  
 Ackert, James E. .... F  
 Ameel, Donald Jules .... F  
 Barnett, Robert J. .... OG  
 Bayfield, E. G. .... OC  
 Brenneman, J. L. .... MBO  
 Bushnell, L. D. .... GKN  
 Call, Leland E. .... O  
 Cardwell, A. B. .... B  
 Clark, Francis E. .... F  
 Cotton, Richard T. .... G  
 Davis, Wilmer E. .... G  
 Dean, Geo. A. .... F  
 Farrell, Francis D. .... KO  
 Frankenfeld, J. C. .... F  
 Gates, Frank C. .... G  
 Gilmore, Lester O. .... ON  
 Grimes, W. E. .... OK  
 Groody, T. C. .... FNC  
 Haarman, M. T. .... F  
 Hartel, L. W. .... BDA  
 Helander, Linn .... MQK  
 Herrick, Earl H. .... F  
 Hunter, James W. .... OF  
 Ibsen, Heman L. .... OG  
 Jugenheimer, R. W. .... OFG
- Manhattan, Cont'd.**  
 Justin, M. M. .... K  
 King, H. H. .... C  
 Laude, H. H. .... OG  
 Lyon, Eric R. .... B  
 McCracken, Miss E. .... G  
 Mackintosh, D. L. .... O  
 Melchers, Leo E. .... GO  
 Miller, Edwin C. .... G  
 Myers, H. E. .... O  
 Nabours, R. K. .... F  
 Painter, R. H. .... F  
 Parker, John H. .... GO  
 Parker, Ralph L. .... FG  
 Peterson, J. C. .... IOF  
 Pickett, Wm F. .... OG  
 Pittman, M. S. .... N  
 Scott, Harold M. .... O  
 Selvidge, Harner .... MB  
 Smith, Roger C. .... FG  
 Smits, B. L. .... C  
 Sperry, Arthur B. .... E  
 Swanson, C. O. .... C  
 Swingle, C. F. .... OG  
 Throckmorton, R. I. .... O  
 Warren, D. C. .... FG  
 Weber, Arthur D. .... O  
 Willard, Julius T. .... CBD  
 Wimmer, E. J. .... FN  
 Working, Earl B. .... CG
- North Newton**  
 Friesen, A. P. .... B
- Ottawa**  
 Carpenter, A. C. .... EH  
 Pady, S. M. .... G  
 Wilson, W. B. .... G
- Overland Park**  
 Myers, Ben L. .... NA
- Pittsburg**  
 Bawden, W. T. .... O  
 Dellinger, Oris P. .... F  
 Leist, Claude .... F  
 Parks, W. B. .... C  
 Shirk, J. A. G. .... ADM  
 Trent, J. A. .... GF  
 Ulrich, Jacob .... F  
 Wells, J. Ralph .... N  
 Whitney, Miss M. I. .... EG
- Salina**  
 Austin, Stanley .... G  
 Giersch, Sister C. .... GF  
 Moorman, A. E. .... FG  
 Moses, H. N. .... NFG  
 Waring, Sister M. G. .... CB
- Sterling**  
 Loewen, S. L. .... FNG  
 Thompson, D. Ruth .... C
- Topeka**  
 Cook, John W. .... MA  
 Doubt, Miss Sarah .... G  
 Gerundo, Michele .... NC  
 Harshbarger, W. A. .... AB  
 Hunter, Charles A. .... NO  
 Lommasner, R. C. .... G  
 Menninger, C. F. .... GN  
 Menninger, Karl .... N  
 Pratt, D. J. .... GF  
 Reed, Burleigh .... CO  
 Schovee, J. C. .... M  
 Shuey, Herbert .... INK  
 Wales, Hugh G. ....
- Wichita**  
 Ayres, H. D. .... B  
 Branch, Hazel E. .... FNH  
 Carey, J. Lloyd .... EGC  
 Cowan, E. A. .... I  
 Crow, H. E. .... FG  
 Horton, J. R. .... FGO  
 Lane, Chas. E., Jr. .... FN  
 McDonald, C. C. .... G  
 Michener, John M. .... CO  
 Palmer, Martin F. .... FIL  
 Parkinson, D. T. .... Nd  
 Philbrick, E. P. .... E  
 Sutter, Loe Albright .... N  
 VerWiebe, Walter A. .... E
- Winfield**  
 Albright, P. S. .... CB  
 Allen, Leroy .... E  
 Burt, Charles E. .... F  
 Dunlevy, Robt. B. .... E  
 Evers, Miss H. F. .... FG  
 Plum, W. B. .... BAD

## KENTUCKY

- Ashland**  
 Muncy, Victor E. .... M
- Barbourville**  
 Sturdivant, H. .... FG  
 Teats, Miss J. E. .... AIQ
- Berea**  
 Armstrong, J. W. .... NIF  
 Baker, Alton .... HN  
 Bangson, John S. .... FG  
 Capps, Julian H. .... CHF  
 Dekker, Albert O. .... CQB  
 Hendricks, T. A. .... I  
 Loefer, John B. .... F  
 Noll, Waldemar .... B
- Bowling Green**  
 Johnson, L. M. .... I  
 Skinner, J. T. .... CNQ
- Catlettsburg**  
 Kirker, Harry L. .... MO
- Coral Ridge**  
 Moore, Walter L. .... ADB
- Cynthiana**  
 Bromley, H. W. .... QD
- Danville**  
 Bottom, Curtis .... F  
 Cook, E. W., Jr. .... N  
 McMullen, C. B. .... I  
 Rush, R. I. .... CNO
- Eminence**  
 Fremd, L. K. .... AFI
- Fort Thomas**  
 Hess, Miss E. R. .... CGF  
 Humphries, R. N. .... KEM
- Frankfort**  
 Crouch, H. B. .... F  
 Jillson, W. R. .... E  
 Mark, Jessie .... O
- Georgetown**  
 Hinton, Robert T. .... F  
 Wilson, Wm. S. .... BCA
- Gilbertsville**  
 Rhoades, Roger .... EM
- Golden Pond**  
 Pennebaker, B. F. .... IFK
- Irvine**  
 Mercer, Forrest .... F
- Kyrock**  
 Carmichael, H. St. G. T. .... EKM
- Lexington**  
 Allen, William Ray .... F  
 Averitt, Paul .... E  
 Averitt, S. D. .... BCE  
 Best, Harry .... KLH  
 Borner, Charles E. .... O  
 Boyd, Paul P. .... ADB  
 Brauer, Alfred .... F  
 Caldwell, M. G. .... KHI  
 Cooper, T. P. .... OK  
 Diachun, Stephen .... GO  
 Didlake, M. LeG. .... FG  
 Dimock, Wm. W. .... FN  
 Downing, H. H. .... A  
 Erikson, Statie E. .... CFK  
 Fergus, E. N. .... OG  
 Figgins, J. D. .... EFH
- Lexington, Cont'd.**  
 Freeman, J. F. .... O  
 Freeman, Mrs. L. B. .... E  
 Funkhouser, W. D. .... F  
 Garman, Harrison .... FG  
 Good, E. S. .... O  
 Hottel, Lloyd D. .... MAD  
 Insko, W. M., Jr. .... CO  
 Jeffrey, R. N. .... GCO  
 Jewett, H. H. .... F  
 Johnson, E. M. .... G  
 Karraker, P. E. .... OG  
 Kemper, Durbin C. .... B  
 Kinney, E. J. .... O  
 Leggett, J. L. .... I  
 McFarlan, A. C. .... E  
 McFarlan, F. T. .... G  
 McGee, Frank M. .... ABC  
 McGargue, J. S. .... CGO  
 McInter, B. B. .... G  
 Mason, A. C. .... EMG  
 Matthews, J. E., Jr. .... CBF  
 Meyer, M. C. .... FG  
 Miner, J. B. .... IQ  
 Norton, Mrs. Chas. F. .... F  
 Olney, A. J. .... OG  
 Payne, V. F. .... C

**Lexington, Cont'd.**

Peter, A.M. .... CO  
 Price, Walter Allen .. F  
 Rainey, T.W. .... K  
 Reichard, J.D. .... NI  
 Roberts, George .. OGC  
 Robinson, L. Cass .. E  
 Steele, Dewey G. .... FG  
 Taylor, William S. .... Q  
 Treadway, W.L. .... N  
 Valteau, W.D. .... GO  
 Warburton, Fred W. .... B  
 Weaver, R.H. .... FGN  
 Webb, W.S. .... BH  
 Williams, E.G. .... N

**Louisville**

Ambrose, A.M. .... NpCO  
 Bandeen, S.G. .... CN  
 Beckner, Lucien .. EHL  
 Bell, Joseph Clark .. N  
 Bennett, Donald M. .... B  
 Buckman, S.J. .... COG  
 Bullitt, Wm.M. .... DAB  
 Cole, Arch E. .... FNG  
 Curry, Gordon L. .... CG  
 Davies, F.A. .... G  
 Dominica, Sister M. .... FGC  
 Eppheimer, C.H. .... ME  
 Field, Theodore E. .... C

**Louisville, Cont'd.**

Fonaroff, Mrs. R.N. .... C  
 Gardner, William E. .... N  
 Gordon, Harold .... NO  
 Heitger, Joseph D. .... N  
 Homberger, A.W. .... C  
 Hubbard, Edw.H. .... N  
 Jensen, Milton B. .... I  
 Johnson, Sydney E. .... N  
 Kennedy, James A. .... NC  
 Kerr, Haydon R. .... FNG  
 Kolachov, Paul .. C  
 Kornhauser, S.I. .... F  
 Lawson, Hampden .. NF  
 Lenz, W.J. .... BCN  
 Loring, Ralph A. .... BAD  
 McMillen, J.M. .... COQ  
 Middleton, A.R. .... FG  
 Middleton, L.DeM. .... FG  
 Mileti, Otto J. .... C  
 Miller, A.J. .... MKE  
 Miller, Frederick W. .... I  
 Moore, J.W. .... NO  
 Nachod, Carl P. .... M  
 Nettelroth, A. .... N  
 Rooft, Paul G. .... FGH  
 Scofield, E.H. .... JMC  
 Sherrill, L.J. .... QIK  
 Sohn, Erwin .... CM  
 South, Lillian H. .... N  
 Speed, Williams S. .... M

**Louisville, Cont'd.**

Stark, W.H. .... NC  
 Strull, Charles .. DEB  
 Thruston, R.C.B. .... N  
 Unger, E.D. .... CM  
 Willkie, H.F. .... CMO

**Marion**

Clement, B.E. .... DEH

**Morehead**

Black, J.G. .... BA  
 Keller, W.H. .... CBO  
 Pennebaker, G.B. .... FG

**Murray**

Hire, Chas. .... BC  
 Wolfson, Alfred M. .... G  
 Wyatt, Miss Grace .. FG

**Nerinx**

Edwarda, Sister Mary. .... CFG  
 Ellingson, Sister M.A. .... FGN

**Owensboro**

Hamvas, L.U. .... MAB  
 Honess, Charles W. .... E  
 Wesley, George R. .... EM

**Paducah**

Gilbert, Alfred H. .... G

**Paris**

Caslick, Edward A. .... N

**Pikeville**

Curtis, James Wylie .. I

**Richmond**

Cuff, Noel B. .... IO  
 Herndon, T.C. .... CB  
 Hummel, A.D. .... BAM  
 Krick, Miss H.V. .... GF  
 Rice, Miss Lucile .. FG  
 Schnieb, Anna A. .... QI

**Trappist**

Dunne, F.M. .... D

**Wickliffe**

King, Mrs. B.B. .... H  
 King, Fain W. .... II

**Wilmore**

Reynolds, W.R. .... LK

**Winchester**

Currie, J.W. .... FG

**LOUISIANA****Alexandria**

Eberson, F. .... NFC

**Baton Rouge**

Bean, C.Homer .... IO  
 Bray, C.I. .... OOK  
 Brown, C.L. .... C  
 Flint, L.H. .... GCB  
 Huggins, H.H. .... NFK  
 Kreamer, Frank O. .... KI  
 Menville, Raoul L. .... C  
 Tims, Eugene C. .... G

**Bogalusa**

Angelo, Ernest .... OG  
 Fernholz, Donald L. .... G  
 Potter, George F. .... GO

**Carville**

Evans, Florence L. .... NC  
 Schieswohl, Sister Zoe. .... CFN

**Crowley**

Jodon, Nelson .... OG

**Gramercy**

Meade, George P. .... C

**Hackberry**

Keating, T.W. .... MCE

**Hammond**

Cordrey, W.A. .... AB

**Houma**

Abbott, Ernest V. .... OG  
 Arceneaux, George .. O

**Jeanerette**

Rhoad, A.O. .... O

**Lafayette**

Claycomb, G.B. .... FG  
 Feusse, E.G. .... CMQ

**Mandeville**

Anderson, D.S. .... MBA

**Marrero**

Burns, Robert O. .... B

**Natchitoches**

Barr, H.L. .... GFO  
 Fournet, F.G. .... G  
 Fox, Miss L.E. .... G  
 Hussey, Frisculla B. .... FGN

**New Orleans**

Anderson, A.J. .... CKP  
 Anderson, Miss L. .... FGQ  
 Arnold, J.G., Jr. .... FGN  
 Ashman, Richard .... N  
 Aymond, Branch .... N  
 Bailey, Paul F. .... CFN  
 Barber, Ernest R. .... F  
 Bass, Elizabeth .... N  
 Bethea, Oscar W. .... N  
 Beyer, Hermann .. HL  
 Bick, George H. .... FG  
 Bliss, Sidney .... CN  
 Boatner, C.H. .... CBN  
 Branson, Herman BAQ  
 Buchanan, H.E. .... AD  
 Buggs, C.W. .... FN  
 Burch, George .... N  
 Burdon, K.L. .... NFG  
 Burns, Edward Leroy .. N  
 Casey, A.E. .... NHA  
 Chase, Henry, Jr. .... FGH  
 Cline, I.M. .... BE  
 Cobb, Percy W. .... NI  
 Cohn, Isidore .... N  
 Cummins, Harold .. NH  
 Danneker, J.M. .... C  
 D'Arbonne, M.C. .... K  
 Daunoy, Harry L. .... GOC  
 D'Aunoy, Rigney .. N  
 Davis, Harry A. .... NFH  
 Dawson, Paul R. .... CO  
 DeBakey, Michael .. N  
 Dees-Mattingly, M.B. .... NIF  
 Delcroix, Miss D.M. .... FG

**New Orleans, Cont'd.**

deMilt, Clara .... CLN  
 Demmon, E.L. .... OG  
 deMonsabert, W.R. .... CDI  
 Derby, G.McC. .... MKQ  
 Dyke, Ray Arthur .... B  
 Earle, T.T. .... G  
 Eaton, A.G. .... N  
 Elliott, D.S. .... B  
 Faust, E.C. .... FN  
 Feibleman, James .... I  
 Fletcher, John M. .... I  
 Glenk, Robert .... FL  
 Gould, H.N. .... FH  
 Grueber, Miss E.D. .... CQ  
 Haas, Anna L. .... GF  
 Halpert, Bela .... N  
 Hathaway, E.S. .... F  
 Hibbett, James Orlin .. N  
 Hopper, L.L., Jr. .... CBI  
 Howell, W.L. .... C  
 Joachim, Joseph W. .... M  
 Johnson, H.M. .... IQ  
 Kearney, H.L. .... N  
 Lanford, John A. .... N  
 Lee, Clarence O. .... MCE  
 Lindner, Milton J. .... FGK  
 Lockett, A.M. .... M  
 Lyon, James Adair .. BD  
 Lyons, W.James .. BAC  
 McLellan, E.L. .... CMB  
 Maluf, N.S.R. .... FNC  
 Maring, Karl A. .... BA  
 Markley, K.S. .... COE  
 Martin, John G. .... C  
 Matas, Rudolph .... N  
 Merrill, E.L. .... NFG  
 Meunier, C.J. .... BCG  
 Monasterio, J.O. .... BAL  
 Morris, Joseph C. .... B  
 Moseley, H.W. .... C  
 Musser, John H. .... N  
 Nelson, Erwin E. .... Np  
 Nelson, Miss M.L. .... GFC  
 Nix, Jas.T. .... N  
 Noble, Stuart .... Q  
 O'Hara, J.A. .... N

**New Orleans, Cont'd.**

Paterson, Albert B. ....  
 Pearson, Bjarne .. NKQ  
 Pedrick, N.O. ....  
 Reames, E.E. .... B  
 Reed, Adrian F. .... N  
 Rice, James C. .... NpC  
 Riedel, Ernest .... IQ  
 Riess, Karlem .... ACB  
 Schneidau, J.D., Jr., .... GFC  
 Schenken, J.R. .... N  
 Scott, A.M. .... MGA  
 Scott, W.M. .... CBO  
 Seago, Dorothy W. .... IQ  
 Smith, Willbur C. .... N  
 Snyder, Thos E. .... F  
 Spencer, M.C. .... A  
 Steinmayer, R.A. .... EM  
 Stone, Roger T. .... PC  
 Storck, A.H. .... NQF  
 tenHoor, Marten .... QI  
 Usher, Robert J. .... Q  
 Viosca, Percy, Jr. .... FG  
 Wagner, W.A. .... N  
 Wakeley, C.C. .... GK  
 Wakeley, Philip C. .... OG  
 Wallace, Rains, Jr. .... I  
 Ward, Kyle, Jr. .... CAN  
 Westfield, Mrs. M.G. .... M  
 Wilde, W.S. .... FN  
 Winship, W.E. .... BCA  
 Worner, Miss R.K. .... CBO

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**Port Sulphur**

Ross, J.H. .... MKII

**Ruston**

Dawson, Lyle R. .... C  
 Fowler, J.R. .... F  
 Neilson, P.D. .... BA

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Robbins, Mrs. C., II. ....EQO	Smith, Eastman .BQM	Burr, Maurice H. MAG	Steinmetz, F.H. ....GO
<b>Augusta</b>	<b>Easton</b>	<b>North Jay</b>	Waring, J.H. ....OGQ
Danforth, G.C. ....MEH	Harribine, Mrs R.P. N	Kyes, Preston .....N	<b>Portland</b>
Marquardt, M. ....NEH	<b>Freeport</b>	<b>North Lovell</b>	Arringdale, R.L. ....E
Woods, Philip W. ....Nd	Conley, Albert D. ....C	Stark, William E. ..QI	Nichols, Estes .....N
<b>Bailey Island</b>	<b>Gardiner</b>	<b>Orono</b>	Nichols, Miss S.P. ....G
MacNeille, H.M. AFB	Richards, Henry KDH	Bailey, R.M. ....OFG	<b>Presque Isle</b>
<b>Bar Harbor</b>	<b>Great Works</b>	Bennett, C.E. ....BAM	Clark, C.F. ....GO
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<b>Bowdoinham</b>	<b>Lewiston</b>	Dirks, Charles O. ....FG	<b>South Brooksville</b>
Dunlap, V.C. ....G	Cox, W.V. ....NOI	Douglass, Irwin B. ....C	Fairley, A.S. ....D
<b>Brunswick</b>	Fisher, Lloyd W. EDB	Dove, W.F. ....FGN	<b>Waterville</b>
Bartlett, Boyd W. ....B	Mabee, Fred C. ....C	Folsom, Donald ....G	Aplington, H.W., Jr. F
Burnett, C.T. ....IKF	Pomeroy, Fred E. FGN	Fuller, John L. ....FG	Chester, Webster ....F
Copeland, Mantion .FG	Sawyer, W.H., Jr. .GF	Hilborn, M.T. ....GO	Colgan, Edward J. ....IQ
Hammond, E.S. ....AB	<b>Lisbon Falls</b>	Hill, Arthur S. ....MBA	Hill, Frederick T. ....N
Kamerling, S.E. ....CBF	Schultz, Norman L. ....A	Jordan, M.F. ....AD	Parmenter, G.F. ....C
Little, N.C. ....BM	<b>Monhegan Island</b>	Lathrop, Frank H. ....F	Wheeler, N.E. ....B
Mason, M. Phillips .IL	Weidensall, Jean .NI	Libby, Winthrop OGE	<b>Yarmouth</b>
Miller, Vernon L. .IFH	<b>Naples</b>	Martin, F.T. ....C	Coggeshall, G.W. CBM
Moody, W.A. ....A	<b>Baltimore, Cont'd.</b>	Nelson, E. Clifford .FN	<b>York Beach</b>
<b>Cape Elizabeth</b>	Becker, Miss J.E. ....CN	Otto, Carl E. ....CQB	Baldwin, W.M. .NHF
Warren, Mortimer .N	Adams, Miss G. ....C	Otto, Mrs E.B. ....CQB	
	Allan, Warde B. ....N	Patch, Edith M. ....F	
	Aliner, Fred A. ....MP	Raleigh, S.M. ....O	
	Anderson, J.L. ....EBC	Simpson, G.W. ....FGO	
	Andrews, Ethana. ....F	Smith, Harry W. .NOC	
	Arnold, W.S. ....CM		
	Astwood, E.B. ....NFC		
	Bacon, Clara L. ....A		
	Bagusin, A.M. ....NFG		
	Ball, Josephine ....INF		
	Bamberger, Miss F.E. ....LO		
	Bard, Philip ....NF		
	Barrett, John. ....Q		
	Barton, Viola P. ....BDA		
	Batchelder, A.C. .CNB		
	Bearden, J.A. ....B		

## MARYLAND

<b>Aberdeen Proving Ground</b>	<b>Baltimore, Cont'd.</b>	<b>Baltimore, Cont'd.</b>
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Kent, R.H. ....B	Bernheim, B.M. ....N	Caplan, Maurice ....PQ
<b>Annapolis</b>	Berry, C.T. ....EF	Ceder, Elmer T. ....N
Bayliff, W.H. ....FG	Berry, Edward W. EFG	Chapman, C.W. .NpCF
Bingley, G.A. ....ABM	Blumberg, Harold .NC	Chen, T.T. ....F
Bramble, C.C. ....A	Boas, George ....LK	Chesney, Alan M. ....N
Church, W.R. ....AMB	Bojar, Samuel ....NI	Clapp, Clyde A. ....N
Howard, D.G. ....MB	Bond, Francis M. ....M	Clark, W.M. ....C
Jackson, P.Y. ....CNE	Bordley, James, III. ....E	Cloos, Ernst ....E
Ryberg, M.E. ....CFG	Bowman, Isaiah ....E	Cohen, Abraham ....A
Scarborough, J.B. ABM	Brailley, Miriam ....NF	Cohen, Barnett ....CN
Terwilliger, C.V.O. ....MA	Brooks, C.McC. ....NF	Cornor, G.W. ....N
Thomson, E.W. .BMQ	Brown, J.H. ....FN	Cort, W.W. ....FN
Walton, Duncan C. NC	Brown, Thomas R. ....N	Corwin, Alaph H. ....C
	Buell, Mary Van R. ....N	Cowles, Rheinart P. ....F
	Bunting, G.A. ....CND	Crowe, Samuel J. ....F
	Burns, R.K., Jr. ....FN	Cullen, Thomas S. ....EN
	Calloway, M.L. ....F	Dandy, Walter E. ....N

**Baltimore, Cont'd**

Davis, Carl ..... N  
 Davis, John Staige ..... N  
 Davis, Paul B. .... CBE  
 Day, Harry G. .... C  
 Delaney, John P. BDE  
 Didusch, Joseph S. .... C  
 Dooley, Sister M. D. CO  
 Dorsey, George E. .... E  
 Dorsey, J. L. .... N  
 Du Mez, A. G. .... CNPQ  
 Dunning, F. .... CN  
 Dunning, H. A. B. .... NO  
 Edwards, W. R. .... M  
 Eliot, Calista P. .... N  
 Estabrook, G. B. .... BC  
 Evans, Mrs. M. .... IN  
 Evans, Miss V. J. NCF  
 Fales, W. Thurber NK  
 Ferree, C. E. .... IN  
 Figge, Frank H. J. NCF  
 Filley, Giles .... NCI  
 Firor, Warfield M. .... N  
 Frehafer, M. K. .... B  
 Friedenwald, Harry N  
 Friedenwald, J. S. .... N  
 Friedenwald, Julius N  
 Frieze, Lucien L. .... B  
 Frobisher, M. Jr. NG  
 Gantt, W. Horsley NIL  
 Gay, Leslie N. .... N  
 Gemmill, C. L. .... N  
 Genter, A. L. .... CMB  
 Geschickter, C. F. .... N  
 Gey, George O. .... NCB  
 Gillis, Andrew C. NTH  
 Glass, H. Bentley FG  
 Goldheim, S. L. .... CB  
 Grimsley, G. P. .... E  
 Guernsey, E. W. .... CB  
 Guild, Stacy Rufus N  
 Hachtel, F. W. .... N  
 Hamburger, Louis P. N  
 Hamman, Louis .... N  
 Harne, O. G. .... N  
 Harris, J. E. .... N  
 Hartman, Carl G. FN  
 Hartung, Walter H. C  
 Hearn, J. R. .... A  
 Hegner, Robert W. F  
 Hellerman, Leslie CN  
 Helms, S. T. .... CN  
 Herrmann, Heinz N  
 Heuser, Chester H. N  
 Hildebrandt, F. M. .... CFG  
 Hoen, A. B. .... E  
 Holt, L. Emmett, Jr. N  
 Howard, Evelyn NCF  
 Howell, A. Brazier FN  
 Howell, Wm. H. .... N  
 Hubbard, John C. ABC  
 Hughes, Miss G. F. FGN  
 Hulbert, L. S. .... A  
 Hundley, J. M., Jr. N  
 Hunner, Guy LeRoy N  
 Hussey, R. .... NAB  
 Hyde, R. R. .... FGN  
 Iddings, F. T. .... M  
 Jacobson, Samuel NC  
 Janney, Miss M. .... O  
 Judefind, W. Lee CBE  
 Karrer, S. .... BC  
 Katzenbogens, S. NI  
 Keiles, Elsa Orent CN  
 Kelley, Joseph M. .... R  
 Kelley, Louise .... C  
 Kelly, H. A. .... NFG  
 Kelsey, H. E. .... Nd  
 Kidwell, A. S. .... F  
 Kimball, R. F. .... F  
 King, Jessie L. .... N  
 Knauss, Homer C. .... B  
 Koontr, Amos R. .... N

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Kouwenhoven, W. B. M  
 Kramer, Grace A. .... OI  
 Krantz, J. C. Jr. .... CNP  
 Kraus, Frank .... CBM  
 Krause, Allen K. .... N  
 Lamont, Austin .... NF  
 Langdon, La D. M. .... G  
 Larned, C. W. .... N  
 Lenderking, Miss R. E. .... FGH  
 Leonard, Veader NC  
 Leopold, Eugene J. N  
 Lewis, Miss F. P. AD  
 Lewis, Warren H. NF  
 Livingston, B. E. .... G  
 Lloyd, Howard H. .... C  
 Lochhead, John H. F  
 Longcope, W. T. .... N  
 Lord, R. C. Jr. .... CB  
 Lovejoy, Arthur O. IK  
 Lucas, James R. NCH  
 Lynn, W. Gardner F  
 MacCallum, W. G. N  
 MacCarthy, G. R. .... E  
 Macht, David I. NpGI  
 McCollum, E. V. .... CN  
 McComas, H. C. .... I  
 Mackenzie, C. G. NCF  
 McNicholas, Sister M. A. NCF  
 Malone, Kemp .... L  
 Marbarger, John FEC  
 Marshall, E. K. .... Np  
 Martin, Lay .... NC  
 Mast, S. O. .... F  
 Mathews, E. B. .... E  
 Maxcy, K. F. .... N  
 Meid, Miss E. L. FGI  
 Merrell, M. .... AKN  
 Meyer, Adolf .... IN  
 Meyer, Eugene, III. .... F  
 Michel, Harry .... N  
 Moment, G. B. .... F  
 Murnaghan, F. D. AB  
 Myers, R. P. .... NO  
 Nachlas, William N  
 Norwood, V. H. NCB  
 Oliver, J. R. .... N  
 Otto, Miss Belle C  
 Otto, G. F. .... NF  
 Pace, D. M. .... FCN  
 Parsons, E. I. .... CN  
 Passano, E. B. .... M  
 Patten, John .... N  
 Pearl, Raymond FHN  
 Peller, S. .... NHF  
 Penniman, A. L. Jr. .... MAB  
 Petran, L. A. .... IO  
 Pfund, A. Herman B  
 Pincoffs, M. C. .... NO  
 Preston, G. H. NHR  
 Pullen, M. W. .... M  
 Raffel, Daniel .... F  
 Rand, Gertrude .... IN  
 Reed, Lowell J. ABD  
 Reid, H. F. .... EB  
 Reindollar, W. F. CNE  
 Reitzel, Elbert C. N  
 Retzer, Robert .... KIN  
 Richards, Esther L. N  
 Richter, Curt P. INF  
 Robinson, G. Canby N  
 Rodowskas, E. L. CBM  
 Rohrer, C. W. G. .... N  
 Roman, Irwin ABE  
 Rose, J. E. .... BN  
 Roseman, R. .... CNM  
 Rossmann, Louis Nd  
 Rozeboom, Lloyd E. FN  
 Rubinstein, H. S. NHI  
 Sainer, Edward JKM  
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 Shewbridge, J. T. .... C  
 Shuger, Leroy W. .... C  
 Sigerist, Henry E. LN  
 Singewald, J. T. Jr. E  
 Slack, Harry R. Jr. N  
 Smith, Dietrich C. F  
 Smith, Miss M. C. G  
 Smith, W. E. .... NFG  
 Snyder, C. D. .... NFG  
 Sophian, Lawrence N  
 Starkey, E. B. .... CNQ  
 Stein, Charles F. Jr. H  
 Stenquist, John L. I  
 Stevenson, P. H. N  
 Stumson, Miss D. L  
 Stone, Harvey B. N  
 Streeter, G. L. .... NF  
 Swartz, Charles K. E  
 Swinehart, Earl NHI  
 Tasker, Arthur N. NFC  
 Taylor, S. N. .... BDA  
 Teets, Donald E. CBA  
 Thorn, G. W. .... N  
 Tuttle, C. E. .... N  
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 van Kampen, E. R. A  
 Velick, Sidney CFB  
 Waldorf, S. K. .... MB  
 Walls, John A. DMH  
 Wardell, Emma L. CN  
 Warring, F. C. Sr. N  
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 Weed, Lewis H. N  
 Weeks, John R. BOC  
 Weglein, D. E. .... Q  
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 Wilber, C. G. .... FG  
 Willier, B. H. .... N  
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 Wolf, Miss Opal M. F  
 Wolman, Abel. MNC  
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 Zon, Leo .... NN

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 Dawson, W. M. OFI  
 Wester, Robert E. GOE  
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 Woods, Mark W. GO

**Bethesda**

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<b>Chestertown</b> Barnett, Wm. M. . . . . FGQ Corrington, J. D. . . . . F Jones, Mrs. E. S. Fox . . . . . Q Jones, J. S. W. . . . . AD	<b>College Park, Cont'd.</b> Jenkins, John G. . . . . I Juhn, Mary . . . . . F Jull, Morley A. . . . . FO Kemp, W. B. . . . . OG McDonnell, H. B. . . . . CN Macmillan, John W. . . . . I Mozingo, Ralph V. . . . . CA Nesbit, Robert A. . . . . FG Nilson, Hugo W. . . . . CO Patterson, H. J. . . . . CO Pettit, Lincoln C. . . . . FGQ Roller, Paul S. . . . . CBE Rothgeb, R. G. . . . . OG Schrader, A. Lee . . . . . OGC Slavin, Morris . . . . . CBM Symons, T. B. . . . . O Taliaferro, T. H. . . . . A Taliaferro, W. T. L. . . . . O Temple, C. E. . . . . GO Thomas, Royce P. . . . . O Tuit, R. V. . . . . F Turk, Kenneth L. . . . . OC Veitch, F. P. . . . . CON Veitch, F. P., Jr. . . . . CN Younger, John E. . . . . M	<b>Frederick, Cont'd.</b> Gow, Alex., Jr. . . . . NO Gross, Catherine . . . . . GF Heath, Miss L. R. . . . . LIB Lippy, Miss G. E. . . . . FN Stahr, Henry Irvin . . . . . N	<b>Port Deposit</b> Haviland, E. K. . . . . ACB Holmes, W. H. . . . . FN
<b>Chevy Chase</b> Albritton, E. C. . . . . N Andervont, H. B. . . . . N Birdseye, C. H. . . . . EM Boggs, S. W. . . . . E Brandes, E. W. . . . . GO Clark, Earl P. . . . . CDG Clemen, R. A. . . . . OKL Cookson, Mrs. M. S. . . . . QEF	<b>Cumberland</b> Heineman, H. C. . . . . COE McKaig, W. W. . . . . ABC	<b>Frostburg</b> Jump, John Austin . . . . . G <b>Garrett Park</b> Stieglitz, E. J. . . . . N <b>Glen Echo</b> Curl, Gilbert H. . . . . BAM <b>Hagerstown</b> Cooper, G. W. . . . . N Moore, M. D. . . . . OGF <b>Halethorpe</b> Thorson, G. H. . . . . MCA <b>Hampstead</b> Parsons, Louis A. . . . . B <b>Hyattsville</b> Alexander, Lyle T. . . . . OC Benjamin, Harold QIK Boswell, Victor R. . . . . O Conrad, Carl M. . . . . GCO Eaton, O. N. . . . . FG Greathouse, G. A. . . . . GCO Kinman, C. F. . . . . G Norton, J. B. S. . . . . G Reeside, J. B., Jr. . . . . E Shear, E. V. . . . . GOF Simmons, Victor L. . . . . OK Watt, Mrs. L. B. . . . . QMF Watt, Ralph W. . . . . QMF	<b>Relay</b> Smith, Frank J. . . . . C Webber, A. Robert MC <b>Riderwood</b> Livingston, Mrs. B. E., . . . . . FGN <b>Riverdale</b> Caldwell, J. S. . . . . GO Magoon, Charles A. . . . . N Nicolet, Ben H. . . . . C
<b>Curtis, Harvey L.</b> . . . . . B <b>Eaton, Herbert N.</b> . . . . . MB <b>Fleming, John A.</b> . . . . . ABD <b>Gardner, I. C.</b> . . . . . BMD <b>Geller, R. F.</b> . . . . . BME <b>Graham, E. H.</b> . . . . . GFE <b>Green, Joseph C.</b> . . . . . EHL <b>Henderson, W. C.</b> . . . . . F <b>Herschel, W. H.</b> . . . . . B <b>Inslay, Herbert</b> . . . . . EC <b>Ladd, George E.</b> . . . . . E <b>Lloyd, Murion G.</b> . . . . . M <b>Lund, Richard J.</b> . . . . . E <b>McAlister, E. D.</b> . . . . . HGN <b>McAlister, A. S.</b> . . . . . MBQ <b>McBurney, J. W.</b> . . . . . M <b>McCall, M. A.</b> . . . . . OG <b>McKee, Roland</b> . . . . . E <b>Marble, John P.</b> . . . . . CE <b>Mendenhall, W. C.</b> . . . . . E <b>Murphy, Louis S.</b> . . . . . OK <b>Polhamus, L. G.</b> . . . . . OCG <b>Prindle, L. M.</b> . . . . . E <b>Sanford, R. L.</b> . . . . . BM <b>Scherrer, J. A.</b> . . . . . C <b>Sears, Julian D.</b> . . . . . E <b>Shull, J. Marion</b> . . . . . G <b>Stimson, A. M.</b> . . . . . N <b>Wilson, M. L.</b> . . . . .	<b>Eastport</b> Wheeler, R. C. H. MBA <b>Edgewood</b> Finkelstein, Leo. . . . . CB Katz, S. H. . . . . CMB Lane, Frederick W. . . . . C Leitch, James L. . . . . CFN <b>Ellicott City</b> Hanna, Charles . . . . . CDN <b>Emmitsburg</b> McCormack, R. A. . . . . Q <b>Fishing Creek</b> Meade, James W. . . . . N <b>Forest Glen</b> Abbott, Miss J. E. . . . . QC Froelich, Miss Helen F Trumpour, F. J. . . . . M Trumpour, J. S. . . . . BCI <b>Frederick</b> Allen, Miss L. B. . . . . DEQ Anderson, Miss D. M. . . . . F Bishop, Miss M. L. . . . . FN Bower, E. B. . . . . C Brown, Lillian O. . . . . ADB	<b>Halethorpe</b> Thorson, G. H. . . . . MCA <b>Hampstead</b> Parsons, Louis A. . . . . B <b>Hyattsville</b> Alexander, Lyle T. . . . . OC Benjamin, Harold QIK Boswell, Victor R. . . . . O Conrad, Carl M. . . . . GCO Eaton, O. N. . . . . FG Greathouse, G. A. . . . . GCO Kinman, C. F. . . . . G Norton, J. B. S. . . . . G Reeside, J. B., Jr. . . . . E Shear, E. V. . . . . GOF Simmons, Victor L. . . . . OK Watt, Mrs. L. B. . . . . QMF Watt, Ralph W. . . . . QMF <b>Indianhead</b> O'Callaghan, J. A. . . . . C <b>Kensington</b> Davis, E. F. . . . . G Schiefer, H. F. . . . . ADB <b>Lanham</b> Brown, Edgar . . . . . G <b>Lusby</b> Merritt, G. E. . . . . BE <b>Mount Victoria</b> Lloyd, W. H. . . . . NH <b>Oakland</b> Harned, J. E. . . . . GN Watson, David L. . . . . BCG <b>Pikesville</b> Watner, Abraham . . . . .	<b>Silver Spring</b> Brown, Hyton R. . . . . MO Cooley, W. K. . . . . C Cushing, Emory . . . . . FON Goresline, H. E. . . . . NC Heatwole, Earl P. . . . . DAE Huff, W. J. . . . . CMB Hurst, Lewis A. . . . . CO Johnson, B. L. . . . . EGM Lumsden, D. Victor . . . . . GO Mertie, J. B., Jr. . . . . EAB Mitchell, C. W. . . . . N Rice, K. K. . . . . NC Robinson, Wm. . . . . FCN Weigel, C. A. . . . . F Williams, John F. . . . . CAB <b>Solomons</b> Olson, R. A. . . . . GFB Wallace, D. H. . . . . FIN <b>Takoma Park</b> Angier, James F. . . . . BFG Holmes, Grace B. . . . . GFG Lines, Edwin F. . . . . E Porter, Bennet A. . . . . F Regeimbal, L. O. . . . . G Stevenson, F. J. . . . . GO Wickes, D. R. . . . . EKL <b>Towson</b> Badertscher, A. E. . . . . FCP Elgin, W. W. . . . . N Lynch, R. S. . . . . FIO Perry, C. Alfred . . . . . NF Woolley, L. F. . . . . N <b>Western Port</b> Ward, M. James . . . . . NCG <b>Westminster</b> Bennighof, C. L. . . . . F Bertholf, L. M. . . . . FOK Campbell, Miss J. L. . . . . G Spicer, Clyde A. . . . . A

## MASSACHUSETTS

<b>Abington</b> Crownfield, David . . . . .	<b>Amherst, Cont'd.</b> Chamberlain, J. S. . . . . C Clark, Orton Loring . . . . . G Crampton, G. C. . . . . F Davis, W. H. . . . . GO Doran, William L. . . . . G Doughty, H. W. . . . . C Eisenmager, W. . . . . GCO Esty, Thomas C. . . . . A Fellers, Carl R. . . . . CO Ford, James A. . . . . O Frandsen, J. H. . . . . O Gage, George E. . . . . N Glaser, Otto C. . . . . F Goodale, Alfred S. . . . . GEO Gordon, Clarence E. . . . . EF Green, Warren K. . . . . DB	<b>Amherst, Cont'd.</b> Harland, Margaret NF Hays, Frank A. . . . . F Ives, Philip T. . . . . FGH Jones, Linus H. . . . . GO Knowlton, Miss H. . . . . NCO Lacroix, D. S. . . . . FO Lindquist, H. G. . . . . OC Mack, Merrill J. . . . . OCO McKenzie, M. A. . . . . GCN Moore, Frank C. . . . . A Morse, Fred W. . . . . CO Neet, Claude C. . . . . I Osmun, A. Vincent . . . . . G Peters, C. A. . . . . CGO Plough, Harold H. . . . . FN	<b>Amherst, Cont'd.</b> Rankin, J. S., Jr. . . . . FEN Redman, Ralph W. . . . . KO Rhodes, Arnold D. . . . . F Ross, William H. . . . . B Schotte, Oscar E. . . . . F Shaw, Jacob K. . . . . GO Siewers, Fred J. . . . . OO Soller, Theodore . . . . . B Spencer, G. C. . . . . C Stifter, Wm. W. . . . . B Sweetman, H. L. . . . . FGO Thompson, Joseph O. . . . . B Traver, Miss Jay R. . . . . F Vinal, William G. . . . . G Whitney, R. B. . . . . CBA Williams, S. R. . . . . B
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- Andover**  
 Barss, John S. .... BQA  
 Brewster, E. T. .... EF  
 Bryan, Elmer J. .... CMB  
 Gouck, H. K., Jr. .... EFG  
 Graham, J. C. .... CEL  
 Leitch, H. W. .... C  
 Rafton, Harold R. .... CM  
 Rafton, Mrs. H. R. .... CB  
 Shields, M. L. .... FG
- Annisquam**  
 Matz, Charles H. .... BM  
 Sturgis, W. C. .... G
- Arlington**  
 Guillemin, V., Jr. .... BOF  
 Hudson, J. Cramer .... B  
 Whitaker, J. W. ....
- Arlington Heights**  
 Chakmakjian, H. H. .... C  
 Dill, D. B. .... CQ
- Auburndale**  
 Frost, Walter S. .... NCI  
 Wentworth, H. A. .... KDN
- Ayer**  
 Desmond, J. W. .... Nd
- Bass River**  
 Davis, C. H. .... IKE
- Belmont**  
 Applebaum, Wm. .... EK  
 Caldwell, S. H. .... MAB  
 Davis, Hollowell .... N  
 Finesinger, J. E. .... NTF  
 Franklin, Philip .... A  
 Gardner, M. F. .... MQA  
 Griswold, C. S. .... B  
 Hamilton, Parker .... B  
 Martin, F. H. .... CK  
 Moulthrop, I. E. .... N  
 Robbins, S. D. .... IQN
- Bernardston**  
 Ewer, S. Judson .... GEF
- Beverly**  
 Johnson, P. P. .... N  
 White, F. E. .... BAM
- BillERICA**  
 Stearns, A. W. .... N
- Boston**  
 Abbot, E. S. .... IN  
 Adams, Robert W. .... M  
 Armstrong, S. H., Jr. .... M  
 Arnold, Weld .... BCE  
 Augustine, D. L. .... NF  
 Ayer, James B. .... N  
 Bailey, Orville T. .... NCF  
 Balch, Francis N. .... FHE  
 Banay, Ralph S. .... NI  
 Barrett, Harold S. .... NHI  
 Bauer, Walter .... N  
 Beecher, Henry K. .... N  
 Begg, Alexander S. .... N  
 Benscoter, Stanley M. .... A  
 Bevin, Miss Sylvia .... F  
 Blank, Irvin H. .... CNB  
 Blood, Miss A. F. .... QNC  
 Biotner, Harry .... NC  
 Blumgart, H. L. .... NBC  
 Boyd, William C. .... N  
 Bremer, J. L. .... N  
 Bruce, Robert E. .... A  
 Brues, Charles T. .... FN  
 Bryant, A. G. .... NMK  
 Bryant, Edwards S. .... PM  
 Buchanan, L. B. .... PE
- Boston, Cont'd.**  
 Burr, I. Tucker .... N  
 Burwell, C. Sidney .... N  
 Byrne, John J. .... NFG  
 Cabot, Godfrey L. .... C  
 Cabot, Samuel .... C  
 Campbell, C. Macfie NI  
 Canavan, M. M. .... IKN  
 Cannon, W. B. .... NF  
 Canzanelli, Attilio .... N  
 Carhart, Frank .... M  
 Carpenter, T. M. .... CF  
 Carroll, A. G. .... CQ  
 Casey, John F. .... N  
 Casten, Virgil G. .... N  
 Castle, W. B. .... N  
 Chamberlin, E. M. .... I  
 Chapman, E. Maca. .... N  
 Cheever, C. A. .... GED  
 Cheever, David .... N  
 Cherrington, Miss Mary Edna .... GFE  
 Chesley, Frank G. .... CE  
 Christian, H. A. .... N  
 Churchill, E. D. .... NFH  
 Clapp, Eugene H. .... C  
 Cobb, Stanley .... NFI  
 Codman, Russell S. .... N  
 Cox, Oscar F. .... N  
 Crandon, L. R. G. .... I  
 Crosby, Irving B. .... EM  
 Cushing, Daniel .... M  
 Cutler, Elliott C. .... N  
 Dameshek, Wm. .... N  
 Davis, Lincoln .... NHL  
 Dellenbaugh, F. S., Jr. .... M  
 Dieuaide, F. R. .... N  
 Durnan, W. T. .... BCF  
 Durrell, H. C. .... EL  
 Ehrlich, Percy .... C  
 Ell, Carl S. .... M  
 Emerson, R. L. .... CN  
 Enders, John .... N  
 Epstein, S. H. .... INK  
 Esselen, G. J. .... CM  
 Eustis, Warner .... BCN  
 Farber, Sidney .... N  
 Farwell, Robert B. .... M  
 Fay, Frederick H. .... M  
 Finland, Maxwell .... N  
 Fiske, Cyrus H. .... CN  
 Fitz, Reginald .... NC  
 FitzPatrick, Miss F. K. .... NC  
 Flanders, Fred F. .... C  
 Floyd, Cleaveland .... N  
 Foster, Mary L. .... LCN  
 Freedman, L. M. .... N  
 Friedgood, H. B. .... NF  
 Frolich, G. C. .... NCB  
 Frye, Royal M. .... BAD  
 Gamble, James L. .... N  
 Geiman, Q. M. .... FN  
 Goldstein, Kurt .... NI  
 Grabfield, G. Philip .... NQ  
 Gregory, Miss J. .... NC  
 Hadley, A. I. .... NOK  
 Hanson, W. L. .... OI  
 Harrison, J. H. .... N  
 Hastings, A. B. .... CN  
 Hayes, H. V. .... BM  
 Haynes, Frank L. .... O  
 Hazard, Willis H. .... HKO  
 Hemenway, L. D. .... BA  
 Hendrick, Ives .... NIK  
 Henkle, Herman H. .... LF  
 Higgins, H. L. .... N  
 Hilliard, Curtis M. .... N  
 Hobbs, F. W. .... MKP  
 Hoeftel, Gerald .... N  
 Holmes, George W. .... N  
 Horton, L. H. .... THF  
 Hoskins, R. G. .... N
- Boston, Cont'd.**  
 Houghton, C. S. .... N  
 Houghton, J. D. .... NFE  
 Howe, Percy R. .... NCF  
 Howell, Wallace E. .... B  
 Hoyt, Rollin W. .... CN  
 Hubbard, M. E. .... F  
 Hubbell, Henry S. .... MP  
 Hunt, Reid .... Np  
 Hyatt, J. M. .... B  
 Inglis, Harry J. .... N  
 Ireland, Mark L. .... M  
 Johns, Juanita P. .... N  
 Joslin, Elliott P. .... N  
 Kaplan, J. J. .... K  
 Kaufman, M. R. .... NI  
 Keeler, Clyde E. .... FNH  
 Keller, C. T. .... L  
 Kent, N. A. .... BDC  
 Kingman, E. D. .... OM  
 Kirklin, John W. .... NCI  
 Kurt, Franklin T. .... BC  
 Lancaster, W. B. .... FN  
 Land, Edwin H. .... CBP  
 Larson, Carl W. .... O  
 Lee, Roger L. .... N  
 Lefavour, Henry .... BI  
 Leland, George A., Jr. .... N  
 Levine, Samuel A. .... N  
 Lewis, Frederic T. .... FG  
 Locke, S. Barry .... F  
 Loder, H. B. .... N  
 Ludvig, E. J., II .... N  
 Lythgoe, H. C. .... C  
 McCahey, W. M., Jr. .... NF  
 McCrudden, F. H. .... N  
 Magruder, S. R. .... F  
 Main, Charles T. .... M  
 Matthews, Albert .... H  
 Mayo, Elton .... HFN  
 Means, J. H. .... N  
 Menkin, Valy .... N  
 Miller, Richard H. .... N  
 Miner, Leroy .... NH  
 Minot, G. R. .... NCF  
 Mirovianis, S. D. .... F  
 Moore, Merrill .... HIK  
 Morgan, W. F. .... M  
 Muckenhoupt, C. F. .... BAM  
 Murphy, Miss R. .... NCA  
 Murphy, W. P. .... N  
 Myerson, A. .... N  
 Nason, Miss G. I. .... BNC  
 Nathanson, Ira T. .... N  
 Newton, Miss E. B. .... NCG
- Boston, Cont'd.**  
 Newton, Francis C. .... N  
 Norris, James F. .... C  
 Nye, Robert N. .... N  
 Ober, Frank R. .... N  
 Overlander, C. L. .... N  
 Packard, R. M. .... ABD  
 Palmer, James B. .... FGI  
 Parker, Frederic, Jr. .... N  
 Parrack, H. O. .... NFE  
 Pratt, J. H. .... N  
 Proctor, C. M. .... Nd  
 Putnam, W. L. .... N  
 Quinby, W. C. .... N  
 Rackemann, F. M. .... N  
 Rapport, David .... N  
 Ravin, Abe .... N  
 Raymond, Miss A. F. .... IKN  
 Reid, I. E. .... N  
 Reid, Marion A. .... FN  
 Richardson, M. W. .... N  
 Richardson, P. M. .... NC  
 Rines, David .... DBA  
 Robey, William H. .... N  
 Root, Howard F. .... N  
 Rushmore, S. .... N
- Boston, Cont'd.**  
 Russell, Henry D. .... FGN  
 Salter, W. T. .... CNF  
 Sanborn, A. G. .... NF  
 Sax, H. J. .... G  
 Schlesinger, M. J. .... N  
 Schulz, R. Z. .... NLO  
 Scott, H. E. .... D  
 Searles, P. J. .... MBD  
 Selekman, B. M. .... K  
 Shattuck, G. C. .... N  
 Shirley, Mary .... I  
 Shuman, Harry B. .... Nd  
 Simes, Mrs. William .... N  
 Smith, Linville I. .... N  
 Snyder, F. T. .... C  
 Solinger, Julian L. .... FN  
 Spear, Joseph .... AI  
 Steel, Selwyn .... NHI  
 Strong, Richard P. .... FN  
 Stuart, Harold C. .... N  
 Sykes, G. F. .... FN  
 Talbot, Fritz B. .... IIN  
 Talbot, John H. .... N  
 Taylor, Horace V. S. .... M  
 Terry, T. L. .... N  
 Thannhauser, S. J. .... CN  
 Tingley, L. P. .... NTF  
 Trimble, H. C. .... C  
 tumSuden, C. .... NPF  
 Vickers, Miss V. S. .... IIN
- Bradford**  
 Mitchell, Dale .... II
- Braintree**  
 Keith, Miss M. A. .... BAD
- Bridgewater**  
 Graves, Miss E. I. .... FGQ
- Brockton**  
 Fuller, Myron L. .... E
- Brookline**  
 Aldrich, James M. .... CA  
 Allan, Frank N. .... NC  
 Beck, V. Russell .... QBC  
 Bennett, Stanley .... Np  
 Bigelow, Robert P. .... F  
 Blackfan, K. D. .... N  
 Bruce, Miss K. L. .... GNF  
 Dana, H. W. .... NH  
 Ehrenfried, Albert .... N  
 Feemster, Roy F. .... N  
 Foss, B. S. .... MHN  
 Friedman, R. S. .... NFG  
 Gallagher, David ERA

## Brookline, Cont'd.

George, N.R., Jr. ....A  
Gibbs, F.A. ....NIC  
Harley, H.L. ....IQH  
Homas, John ....N  
Johnston, Ivan M. ....G  
Kitson, Mrs. A. F. ....N  
Kotkov, Benjamin IQN  
LaCroix, M.F. ....ME  
Lee, Robert C. ....NC  
Mallory, E.B. ....I  
Mallory, F.B. ....N  
Mason, C.N., Jr. MKB  
Miller, Alton L. ABC  
Mixer, W.J. ....N  
Moir, Harry S. ....C  
O'Brien, William B. C  
Omansky, M. ....CMN  
Passano, L.M. ....A  
Richardson, E.P. ....N  
Rule, John T. ....ABQ  
Smith, H.M. ....C  
Stein, Mrs. C.R. ....N  
Verhoeff, F.H. ....N

## Cambridge

Allen, Glover M. ....F  
Allis, W.P. ....BA  
Ames, Oakes ....G  
Ashdown, A.A. ....C  
Bacon, George L. BM  
Bailey, Irving W. ....G  
Baldwin, Walter A. CB  
Balsbaugh, J.C. ....M  
Barbour, Thomas ....F  
Barry, Herbert, Jr. NT  
Bartlett, Miss H. K  
Baxter, G.P. ....CBE  
Berry, C.W. ....MAB  
Bigelow, Henry B. ....F  
Billings, M.P. ....E  
Birkhoff, Garrett ....A  
Birkhoff, George D. AB  
Black, N. Henry ....BC  
Blake, Charles H. ....F  
Blake, John T. ....C  
Blanchard, A.A. ....C  
Bloom, M.C. ....CHE  
Rock, A.V. ....N  
Boring, Mrs. E.G. ....N  
Boring, Edwin G. ....I  
Boughton, Willis A. C  
Bowles, Edward L. MB  
Boyce, Joseph C. BDH  
Brewer, John M. ....QI  
Bridgman, Percy W. B  
Brown, M.R. ....NI  
Brown, T.H. ....AP  
Bryan, Kirk ....EH  
Bunker, J.W.M. ....CN  
Cabot, Edward C. ....E  
Cabot, P.S. deQ. ....INO  
Camp, Thomas R. MCN  
Cannon, Miss A.J. ....D  
Castle, E.S. ....GF  
Casswell, R.G. ....CBN  
Cattell, Psyche ....IQ  
Chase, George H. ....H  
Clark, H.L. ....F  
Clarke, George L. ....F  
Cleveland, L.R. ....F  
Cohn, E.J. ....K  
Cole, Arthur H. ....K  
Cole, Robert H. ....BC  
Compton, Karl T. ....B  
Conant, J.B. ....C  
Connor, T.W. ....NCF  
Coolidge, A.S. ....CB  
Coolidge, H.J., Jr. FHN  
Copeland, Eugene ....F  
Correll, Donovan S. ....G  
Dahl, A. Orville ....E  
Daly, Reginald A. ....E  
Darrach, Wm.C. ....EG

## Cambridge, Cont'd.

Davis, Arthur K. ....K  
Davis, Selby B. ....C  
Davis, Tenney L. ....CL  
Dawes, Chester L. ....M  
Dawson, A.B. ....F  
deForest, A.V. ....BMO  
Deichmann, E. ....F  
Dienes, Louis ....N  
Dietrichson, G. ....CB  
Doering, Carl R. ....NK  
Draper, C.S. ....MB  
Dunn, Cecil G. ....NGC  
Eastham, M. ....BMD  
Edsall, Geoffrey ....N  
Ellis, Fred E. ....BNE  
Evans, Robley D. BNE  
Fair, Gordon M. ....MN  
Fassett, F.G., Jr. LKH  
Faul, J. Horace ....G  
Fay, Richard D. ....BM  
Fernald, M.L. ....G  
Ferry, Ronald M. ....CN  
Fieser, Louis F. ....C  
Fife, W.M. ....M  
Forbes, G.S. ....M  
Ford, J.D.M. ....LH  
Fuller, Charles E. ....M  
Galambos, Robert ....F  
Gaposchkin, Sergei ....D  
Gibson, Russell ....EQ  
Gillespie, L.J. ....CON  
Goodwin, H.M. ....B  
Graton, Louis C. ....EBC  
Greene, H.C. ....LOK  
Griscorn, Ludlow ....FG  
Haertlein, Albert ....M  
Hall, William T. ....C  
Hardy, Arthur C. ....BCI  
Harris, Robert ....NC  
Harrison, G.R. ....BD  
Harvey, G.G. ....BAD  
Harwood, E.C. ....KM  
Haskin, H.H. ....FNC  
Hauser, Ernst A. ....CBE  
Heidt, L.J. ....CBA  
Hencken, H.O'Neill H  
Henderson, L.J. ....N  
Herrington, Wm.C. ....F  
Hill, A.F. ....G  
Hissaw, Frederick L. F  
Hite, Lewis Field ....IL  
Hoadle, Leigh ....F  
Hocking, W.E. ....BHI  
Hoffleit, E. Dorrit ....D  
Holman, Miss A.E. ....BAD  
Holmes, H.W. ....Q  
Hooton, E.A. ....H  
Horton, J.W. ....BMN  
Horwood, M.P. ....NKM  
Howell, Alvin H. MBA  
Hudson, Ralph G. ....M  
Hunsaker, J.C. ....M  
Huntress, E.H. ....C  
Hutchinson, E.P. ....KN  
Jackson, D.C. ....MBO  
Jeffrey, E.C. ....EG  
Jennings, Walter L. ....C  
Jennison, M.W. ....NG  
Jimenez-Michelen, Luis G. ....ABM  
Kaplan, H.M. ....NFG  
Kelley, T.L. ....IQK  
Kemble, Edwin C. ....B  
Kidder, A.V. ....H  
Killian, J.R., Jr. ....ML  
King, G.W. ....CBA  
King, R.W.P. ....BAM  
Kistiakowsky, G.B. CB  
Kluckhohn, Clyde HIF  
Laine, Carl David ECB  
Lamb, Arthur B. ....C  
Lane, A.C. ....EDC

## Cambridge, Cont'd.

Laurence, Ralph R. ....M  
leBeau, D.S. ....BCE  
Lessells, John M. ....M  
Lindemann, Erich ....I  
Linder, David H. ....G  
Livingston, Mrs. ....F.V.M.  
Lowe, John L. ....L  
Lyman, Theodore ....B  
McCarthy, E.F. ....BIM  
McFarland, R.A. ....IHN  
McLaughlin, D.H. ....EM  
MacMahon, H.E. ....NCH  
Magnusson, P.C. MBA  
Mark, E.L. ....FGN  
Marks, Lionel S. ....M  
Marvin, George ....C  
Mead, Warren J. ....EM  
Mendenhall, W.L. ....Np  
Menzel, D.H. ....DBC  
Miller, D.W. ....IQ  
Mimno, H.R. ....BMA  
Morris, F.K. ....EMH  
Morse, Philip M. ....B  
Mueller, Edward ....C  
Mueller, Hans ....BC  
Murray, H.A., Jr. ....IN  
Newell, John M. ....CN  
Noyes, H.A. ....C  
O'Donnell, Carlos A. ....G  
Oldenberg, Otto ....B  
Page, Larry F. ....BA  
Palache, Charles ....E  
Park, Charles F. ....M  
Parker, G.H. ....F  
Phillips, H.B. ....AB  
Pogo, Alexander ....LD  
Pollock, Harry ....H  
Pound, Roscoe ....G  
Prescott, S.C. ....CN  
Proctor, B.E. ....GNF  
Rand, H.W. ....F  
Raymond, Percy E. ....E  
Redfield, Alfred C. ....FN  
Renn, Charles E. ....GFM  
Rice, A.H. ....ENH  
Ricketson, O.G., Jr. ....H  
Rightmire, B.G. ....MB  
Roberts, Henry B. ....H  
Romanoff, A.L. ....FCN  
Romer, Alfred S. ....FEH  
Rulon, P.J. ....IOA  
Rusden, Philip L. ....GO  
Sargent, Frederick ....NBA  
Sarton, George ....L  
Saunders, F.A. ....B  
Scatchard, George ....CB  
Schwarz, E.R. ....MGB  
Scott, Donald ....H  
Seeler, Edgar V., Jr. ....G  
Seton, Henry ....FE  
Shapley, Harlow ....D  
Sharples, P.P. ....CKM  
Sherrill, Miles S. ....C  
Shpiner, Leonard B. ....N  
Shrock, Robert R. ....E  
Simpson, Sidney P. ....K  
Simpson, S.G. ....C  
Slichter, Louis B. ....B  
Smith, Clinton A. ....FG  
Smyth, F.H. ....C  
Soderberg, C.R. ....M  
Stauffer, R.C. ....LKF  
Stetson, Henry ....E  
Stevens, S. Smith ....INB  
Suer, T.J.B. ....GFN  
Stockbarger, D.C. BCN  
Stone, Marshall H. ....A  
Sweeney, Mrs. B.M. ....G  
Teeter, C.E., Jr. ....CB  
Thiessen, A.E. ....MB  
Townsend, Arthur L. ....M

## Cambridge, Cont'd.

Tozzer, A.M. ....H  
Turner, C.E. ....QKN  
Turner, William D. ....I  
Urbach, Walter F. ....L  
Van Atta, C.M. ....B  
Van Vleck, John H. ....B  
Vestal, Paula. ....GFH  
Voss, Walter C. ....M  
Wald, George ....CFN  
Walsh, J.L. ....A  
Warren, B.E. ....B  
Watson, Robert ....B  
Weatherby, C.A. ....G  
Welsh, John H. ....F  
Westergaard, H.M. ....MAB  
Weston, W.H., Jr. ....G  
Wetmore, R.H. ....G  
Whipple, M.C. ....MC  
Whitehead, W.L. ....E  
Whittemore, W.S. ....N  
Whittlesey, D.S. ....E  
Wilchinsky, Z.W. ....BA  
Wilkes, G.B. ....BMK  
Willett, Hurd C. ....E  
Williams, R.S. ....CMO  
Willoughby, C.C. ....H  
Wilson, David H. ....QK  
Wilson, Miss E.W. ....C  
Wolff, Harold H. ....C  
Woodman, A.G. ....CO  
Worman, E.C., Jr. ....HE

## Canton

Hinton, Wm.A. ....N

## Charlestown

Brown, J.M.D. ....CMP

## Chelmsford

Smith, H.D. ....C

## Chestnut Hill

Dore, Francis J. ....NGH  
Dubois, Evan C. ....F  
Mallory, Mrs. C.A.F. ....FN  
Mallory, G.K. ....N  
Marcou, Rene J. ....ABD  
Paine, F.W. ....E  
Sayles, Mrs. A.B. ....E  
Sayles, R.W. ....E  
Smith, Eugene R. ....QA  
Tobin, John A. ....B  
Wyman, J., Jr. ....BFA

## Chicopee Falls

Sharp, Miss E.E. ....QF

## Clinton

Monahan, John ....IN

## Cohasset

Bowman, Ethel ....I

## Concord

Emerson, Mrs. R. HOQ  
Whittemore, Miss E. ....BAQ

## Dedham

Beekman, H.O. ....  
Ohi, Edwin N. ....CBL  
Williston, A.L. ....QMK

## Deerfield

Wickenden, J.W. FGH

## Dennis

Metcalfe, Richard ....N

- Dorchester**  
Jafari, Miss E.S. ....CHK
- Dover**  
Taylor, Lucien B. ....B
- Dudley**  
Neumueller, Julius ..B
- Duxbury**  
Bumpus, Herman C. FQ
- East Boston**  
Leary, Arthur F. ....A
- East Douglas**  
Carpenter, R.D. ....O
- East Gardner**  
Oppen, Lincoln .....N
- East Walpole**  
Bird, C.S., Jr. ....FG  
Jack, J.G. ....FG
- East Wareham**  
Franklin, H.J. ....F  
Truran, Walton E. ...G
- Essex**  
Richardson, F.L.W., Jr. HE
- Everett**  
Brown, Alfred .....C
- Fall River**  
Caplain, Philip .....N  
Walsh, James H. ....N
- Falmouth**  
Pond, Samuel E. ....NBC
- Fitchburg**  
Fitz, Frank R. ....CBA  
Sherman, R.M., Jr. .CB
- Foxboro**  
Nersessian, A. ....NI
- Framingham**  
Mcier, W.H.D. ....FG  
Monahan, W.C. ....OFG  
Robbins, Eleanor ....N  
Russell, Miss D.M. ....CEN
- Gloucester**  
Birdseye, C. ....CMB  
Hoyt, W.D. ....GF  
Trenor, Albert D. ....M
- Greenfield**  
Burgess, Albert F. ....F  
Crossman, S.S. ....F
- Groton**  
Peabody, Endicott ....
- Hadley**  
Montgomery, A.H. ....
- Halifax**  
Lincoln, Edward A. QI
- Hardwick**  
Mixer, George .KMB
- Hatfield**  
Billings, Miss H.L. .B
- Haverford**  
Palmer, Frederic, Jr. B
- Haydenville**  
Kulash, Walter M. ..F
- Hingham**  
Knowlton, C.H. ..GEO  
Shimer, H.W. ....E
- Holden**  
Dutton, R.L. ....KIQ
- Holliston**  
Banks, Nathan .....F
- Holyoke**  
Burkhardt, Miss A. BAC  
Fitz-Gibbon, J.J. ..Nd  
Wilhelm, C.R. ....M
- Hyannis**  
Rowan, Miss S.J. ....E
- Ipswich**  
Canney, C.G. ....CMB  
Kinsman, A.D. .DAB
- Jamaica Plain**  
Chen, Miss L. ....G  
Conser, H.N. ....G  
Hawes, J.H. ....BCM  
Judd, W.H. ....GOE  
Leary, Timothy ....N  
Merrill, E.D. ....G  
Metcalfe, Franklin P. G  
Palmer, E.J. ....GE  
Rehder, Alfred ....G  
Richards, R.H. ....ME
- Kingston**  
Coar, Herbert G. ....F
- Lakeville**  
Richardson, Oscar NH
- Lenox**  
Williams, J.J. ....H
- Leominster**  
Schmidt, J.W. ....MAB  
Uong, D.D. ....C
- Lincoln**  
Preston, W.M. ....BCD
- Longmeadow**  
Dow, J.N. ....MC  
Pearson, O.H. ....O  
Wheeler, D.G. ....CEM
- Lowell**  
Bradley, J.H., Jr. ....E  
Churchill, A.O. ....FNO  
Eames, Charles H. ....Q  
Olney, L.A. ....C  
Page, Dudley L. ....FN  
Weed, C.M. ....F
- Lynn**  
Chako, N.O. ....BAD  
Earle, Mabel L. .FNH
- Malden**  
Robinson, E.P. ....MD  
Stickney, Miss R.E. FGB
- Marblehead**  
Lord, Erskine D. ....CM
- Mattapan**  
Hecht, B.P. ....CNG  
Malkiel, Saul ....NC
- Medford**  
Carmichael, L. ....I  
Chadwell, H.M. ....CBO  
Hadley, Jarvis B. ....E  
Harrison, J.R. ....BMA  
Kennedy, J.L. ....I  
Mead, Leonard C. IFN  
Nichols, Robert L. ....E  
Ransom, W.R. ....ABD  
Smith, C.G. ....BDM  
Smith, William V. BCA  
Tilton, John P. ....IQ  
Warren, P.A. ....G  
Wellman, Bertram .MI  
Worrall, D.E. ....C  
Wren, Frank G. ....AQ
- Medford Hillside**  
Conner, S.L. ....M  
Roeder, K.D. ....FN
- Melrose**  
Chadbourne, E.R. ....NO  
Fay, Joseph H. ....NO  
Hubbard, B.R. ....MBA  
Lutz, Brenton R. ....NF
- Methuen**  
Parr, John ....N
- Milton**  
Arenberg, D.L. ....BAC  
Bigelow, S.L. ....C  
Brooks, C.F. ....BE  
Crane, H. Irving ....CB  
Fergusson, S.P. ....BM  
Field, W.L.W. ....EF  
Flynn, Carl M. ....FNG  
Forbes, Alexander .N  
Forbes, Henry S. ....N  
Forbes, W.H. ....NFC  
Gamble, C.J. ....N  
LeSourd, Homer W. BQ  
Miller, Miss H.A. ....G  
Morrison, T.F. ....FQ  
Navez, Albert E. ....G  
Pearson, C.A. ....BA  
Stearns, W.B. ....DBA  
Stone, Robert G. BEK  
Tulloch, D.F. ....MAB  
Washburn, Miss R.W. IQK
- Needham**  
Gerry, Henry L. ....O  
Green, Arthur B. ....M  
Kingsley, H.L. ....I  
Logan, Milana A. ....C  
Long, Arthur P. ....N  
Morss, Noel ....HK  
Nichols, H.B. ....GBF  
Rogowski, A.R. ....MB  
Stetson, H.T. ....DBA  
Vaughan, W.F. ....I
- New Bedford**  
Lowrie, R.E. ....FHI  
Prescott, Mrs. H.D. ....N  
Tripp, Curtis C. ....N
- Newburyport**  
Bliss, Mary C. ....G  
Humphreys, S.P. ....N
- Newton**  
Bacon, Frederick S. ....C  
Dewing, F.R. ....IKO  
Moyer, J. Ambrose MQ  
Stevenson, Earl P. ....C
- Newton Center**  
Allen, S.C. ....N  
Borg, Henry L. ....N  
Brightman, E.S. ....IK  
Ellis, Frederick W. BN  
Holt, Miss C.M. ....F  
Jones, Chester M. NFI  
Lennox, William G. .N  
Mather, Kitley F. ....E  
Melcher, A.C. ....C  
Robinson, E.S. ....N  
Walker, I. Chandler .N  
Walter, Carl W. .NMB
- Newton Highlands**  
Frery, Charles S. ....CM  
Spike, J.E., Jr. ....BGD  
Wells, F.L. ....I
- Newtonville**  
Atwood, F. Clarke ....C  
Clevenger, G.H. ....MC  
Harris, Gorham W. ....C  
Kobrock, John P. ....KM  
Pope, Alton S. ....N
- North Amherst**  
Chenoweth, W.W. ....O
- Northampton**  
Anslow, Miss G.A. ....B  
Bache-Wigg, Sara ....G  
Bryson, Gladys ....KHI  
Burt, C. Pauline ....C  
Cann, Jessie Y. .CBA  
Carpenter, Esther .FN  
Choate, Miss H.A. .GL  
Cooper, Geo. Olds ....G  
Crabtree, Miss C. .FN  
Day, Dorothy ....GON  
Deane, Helen M. ....N  
Dobbin, C.N. ....FQ  
Driver, Ernest C. ....FG  
Ganong, William F. .G  
Genung, Miss E.F. ....N  
Hankins, F.H. ....KII  
Heine, Miss Aida A. E  
Heminway, Miss C. E  
Hudgins, Clarence V. I  
Jacob, Cary F. ....L  
Jones, A.T. ....B  
Kemp, Miss M. ....GE  
Manning, Wayne E. .G  
Meyerhoff, H.A. ....EM  
Mohler, Miss Nora M. B  
Munroe, Miss F.L. ....AKO
- Olivedale**  
Olmsted, E.W. ....E  
Parshley, H.M. ....F  
Rambo, Susan M. ....A  
Sampson, Miss M.M. ....NF
- Oliver**  
Slocum, Miss L.T. DAB  
Smith, Miss F.G. ....G  
Sparrow, Miss D.K. FG  
Stobbe, Helen R. ....E  
Taylor, W.S. ....I  
TeWinkel, Miss L.E. F  
Trombetta, Miss V.V. G  
Wakeman, Seth ....QI  
Waterman, F.A. ....B  
Wells, H.E. ....C  
Williams, Miss M. ....D  
Zukel, John William .F
- North Grafton**  
Smith, H. Wilbur ....N
- North Scituate**  
Newcomb, Edward C. M
- Norton**  
Amen, E.W. ....I  
Chidsey, Jane L. ....NF

- Norton, Cont'd.**  
 Evans, Mildred W. . . . C  
 Garabedian, C.A. . . . A  
 Hunt, William A. . . . I  
 Lange, Miss M.M. FGO  
 Rice, Miss M.A. . . . G
- Oak Bluffs**  
 Moss, Mrs. C.E. . . . G  
 Ogden, J.G. . . . DBH
- Oxford**  
 Kay, Miss M.R. . . FNO
- Palmer**  
 Tait, H. Sinclair . . BCD
- Peabody**  
 Rabinovitz, Isidor . . C  
 Underwood, G.R. . . . C
- Petersham**  
 Gast, P.R. . . . . GCB
- Pigeon Cove**  
 Chamberlain, A. . . ELO
- Pittsfield**  
 Chesney, C.C. . . . . M  
 Clark, Frank M. . . CMB  
 Smith, Miss L.A. . . . B  
 Wagner, E.A. . . . MAB  
 Washburne, A.C. . . . A  
 Weeks, A.L. . . . . I  
 West, H.R. . . . . MBC
- Plymouth**  
 Langford, Miss G. . . B
- Provincetown**  
 Hammett, F.S. . . . NFC  
 Johnson, M.H. . . . MB  
 Murchison, Carl . . . I
- Quincy**  
 Couch, William H. . . CB
- Rehoboth**  
 Silva, J.M. . . . . CAM
- Revere**  
 Gordee, A.B. . . . . CIK
- Roxbury**  
 Eisenberg, M.J. . . NCB  
 Levinson, Leon . . . FNO  
 Ravreby, A.A. . . . CMT  
 Shevach, B.J. . . . . IQ
- Salem**  
 Browne, Ralph C. . . .  
 Ingdolsby, James J. . . C  
 Jenkins, L.W. . . . . H  
 Percy, G.E. . . . . N  
 Sargent, A.N. . . . . NCE  
 Walker, Fred H. . . . FGE  
 Whitman, W.G. . . . . Q
- Scituate**  
 Savage, G.H. . . . . C
- Sharon**  
 Cushman, Jos. A. . . EF
- Somerville**  
 Edwards, George A. . . F  
 Gray, M. Geneva . . . NCK
- Southborough**  
 Folsom, Hugh . . . . N
- Southbridge**  
 Beitel, Robert J., Jr. . IN  
 Boeder, Paul . . . . ABM
- Southbridge, Cont'd.**  
 Moriow, J.F., Jr. . . . B  
 Moulton, H.R. . . . .  
 Stoll, Miss M.R. . . INB  
 Tillyer, Edgar D. . . BM
- South Dartmouth**  
 Houghton, H.G. . . . B
- South Dennis**  
 Wilbur, George B. . . HI
- South Duxbury**  
 Holway, Richard . . . F
- South Hadley**  
 Adams, A.E. . . . . FN  
 Allen, Miss M. . . . . B  
 Allyn, Miss H.M. . . . HF  
 Boyd, Miss E. . . . . FNG  
 Carr, Miss Emma P. . . C  
 Cooley, Miss M.E. . . . E  
 Eitings, Ethel T. . . . GN  
 Fairbank, Ruth . . . . INK  
 Farnsworth, Miss A.H. . D  
 Goldthwaite, N.E. . . . C  
 Haywood, C. . . . . NF  
 Laird, Elizabeth R. . . B  
 Lochman, Miss C. . . . E  
 Morgan, Ann H. . . . F  
 Pickett, Lucy W. . . . BC  
 Reed, Miss F.D. . . . . G  
 Rusk, Rogers D. . . . BMA  
 Sherrill, Mary L. . . . C  
 Shipman, Miss J.M. . . E  
 Smith, Miss C. . . . . F  
 Stein, Kathryn F. . . . FN  
 Stokay, A.G. . . . . G  
 Talbot, Mignon . . . . E  
 Turner, A.H. . . . . NF
- South Hanson**  
 Nealy, Walter A. . . . C
- South Lancaster**  
 Chen, Philip S. . . . . CN
- South Lincoln**  
 Gilboy, Glennon . . . M
- South Natick**  
 Hills, C.E. . . . . N  
 Patten, Miss J.B. . . . NG
- South Weymouth**  
 Clapp, Miss M.S. . . .  
 Kennedy, H. Anna . . . G
- Springfield**  
 Arsenian, Seth . . . . IOL  
 Bennett, J.W. . . . . MAB  
 Campbell, P.A. . . . . OC  
 Cockayne, C.A. . . . . QIK  
 Eddy, G. Norman . . . KHI  
 Farnsworth, B.B. . . . H  
 Franklin, B.A. . . . . IM  
 Gadaire, C. Rice . . . . FON  
 Karpovich, P.V. . . . NH  
 Kirkham, W.B. . . . . FG  
 Lambert, Jeremiah . . M  
 Lockwood, M.H. . . . KBE  
 McCabe, B.C. . . . . FNO  
 Neal, Chester T. . . . M  
 Putnam, Roger L. . . . D  
 Reyniers, Arthur B. . . M  
 Rutenber, C.B. . . . . C  
 Snow, F.W. . . . . EM  
 Stedman, J.M. . . . . F  
 Todd, J. Edward . . . . IQ
- Still River**  
 Bateman, F.W. . . . . M
- Stockbridge**  
 Hoffmann, Bernhard . .
- Stoneham**  
 Holmes, Arthur D. . . CN  
 Kleinschmidt, R.V. . . BM
- Sturbridge**  
 Stone, H.H., Jr. . . . FG
- Swampscott**  
 Beebe-Center, J.G. . . . I  
 Evans, George W. . . . A  
 Thomson, Mrs. E. . . .
- Topsfield**  
 Pentecost, E.H. . . . .
- Tyngsboro**  
 Richmond, Carla A. . . BEA
- Uxbridge**  
 Robinson, R.D. . . . CN1
- Vineyard Haven**  
 Foster, Francis A. . . EF
- Waban**  
 Bennett, G.A. . . . . N  
 Huber, Edward G. . . . NHF  
 Levene, George . . . . . N
- Wakefield**  
 Tytzer, E.E. . . . . NFH
- Walpole**  
 Haan, A.P. . . . . ECO
- Waltham**  
 Davidson, D.L. . . . . CNQ  
 Flagg, F.P. . . . . BC  
 Glancy, Warren E. . . . C  
 James, Walter H. . . . M  
 Verdoorn, Frans . . . . GO  
 Wilcox, Paul H. . . . . N
- Watertown**  
 Coleman, G.W. . . . . CBE  
 Field, R.F. . . . . BM  
 Flora, Charles P. . . . CP  
 Meredith, F.L. . . . . NIQ
- Weyland**  
 Bemis, Alan C. . . . . B
- Wellesley**  
 Austin, Miss Mary L. . . F  
 Copeland, Lennie P. . . A  
 Davis, Grace E. . . . . B  
 Davis, Miss H.I. . . . . GO  
 Dodson, H.W. . . . . DBA  
 French, Helen S. . . . C  
 Hall, Adair . . . . . FG  
 Hayden, Miss M.A. . . . F  
 Heidbreder, Edna . . . . I  
 Holway, Alfred H. . . . I  
 Howard, Grace E. . . . G  
 Johnston, Ruth . . . . CNF  
 Jones, Miss E. . . . . FN  
 Jones, Miss Helen T. . . C  
 Kaan, Miss Helen W. . . F  
 Kingsley, Louise . . . . E  
 Lee, John C. . . . . M  
 Lindsay, Miss R.H. . . . G  
 McCosh, Miss G.K. . . . F  
 McDowell, Louise S. . . B  
 Merrill, H.A. . . . . A  
 Norton, Arthur O. . . . Q  
 Pulling, Howard E. . . . GB  
 Rondinella, A.C. . . . N  
 Smith, Miss M.E. . . . CN  
 Stark, Marion E. . . . . A
- Wellesley, Cont'd.**  
 Steiger, T.L. . . . . G  
 Thorndike, S.L. . . . . D  
 Van Winkle, Mrs. M.E. . . F  
 Waterman, Miss H.C. . . F  
 Williams, Miss J.L. . . . GQF  
 Williams, Mrs. S.M. . . .  
 Wilson, Louise P. . . . FON  
 Wilson, Miss Lucy . . . . B  
 Young, Mabel M. . . . . A  
 Zigler, M.J. . . . . I
- Wellesley Farms**  
 Chellis, Robert D. . . MPB  
 Moreland, E.L. . . . . M
- Wellesley Hills**  
 Buckingham, B.R. . . . QI  
 Durrell, Donald D. . . . QI  
 Hagen, Harold F. . . . . M  
 Howard, Alfred H. . . .  
 Kennedy, Harris . . . . E  
 Stearns, Howard O. . . . B  
 Thomas, Mrs. H.G. . . . E  
 Weeks, Paul Thorne . . B
- West Brookfield**  
 Kitzmeyer, E.L. . . . . CNO
- Westfield**  
 Kelly, T. Leonard . . . CO  
 Wallace, Miss E.G. . . . DFG  
 Wilson, Charles B. . . . F
- West Newton**  
 Greenman, W.F. . . . . KE  
 Thomas, Miss H.S. . . . G
- Weston**  
 Amon, Fred H. . . . . CPM  
 Butler, Thomas P. . . . CA  
 Dailey, Frank J. . . . . CIQ  
 Lynch, Sister M. St. I. . . CBN
- West Springfield**  
 Drowne, Henry B. . . . M  
 Martin, Mabel F. . . . . I  
 Schmidt, Miss C. . . . . EFG  
 Stebbins, F.A. . . . . EFG
- West Somerville**  
 Cushing, Miss H.M. . . IQK  
 Fletcher, Harry G. . . . E  
 Knox, Arthur S. . . . . EGO  
 Mancib, Alvin S. . . . . ACM  
 Shaw, Edwin A. . . . . QI
- West Roxbury**  
 Allen, Francis H. . . . . F  
 Hooker, S.B. . . . . N  
 Mueller, J. Howard . . . N
- Whitman**  
 Bell, John W. . . . . HCI
- Williamsburg**  
 Collins, Robert F. . . . E  
 Hobbs, Joseph R. . . . . N
- Williamstown**  
 Agard, H.L. . . . . A  
 Bascom, Florence . . . . E  
 Benfield, A.E. . . . . BE  
 Clapp, Daniel B. . . . . C  
 Cole, Elbert C. . . . . FGN  
 Curry, James . . . . . CB

## Williamstown, Cont'd.

Goodale, H.D. ....FO  
Hoar, Carl S. ....G  
Hocking, Richard ABF  
Hubbell, H.H., Jr. ...B  
Locke, Edwina. ....N  
McElfresh, W.E. ....B  
Matthews, S.A. ....FN  
Mears, Brainerd ....C  
Milham, Willis. ....D  
Perry, Elwyn L. ....E  
Rollason, H.D., Jr. .FN  
Spillito, C.F., Jr. ....G  
Winch, Ralph P. ....BAC

## Winchester

Bodman, J.W. ....CME  
Goldthwait, C. ....I  
Harter, G.A. ....ADB  
Mitchell, J.J. ....CB  
Page, Newell C. ....B  
Zimmerman, C.C. KOH

## Winter Hill

Berggren, Miss R.E.L. .C

## Winthrop

Lynch, John E. ....M

## Woburn

Cohen, Joseph Horace C  
Rowland, Claude ....F  
Wolf, E. Alfred ....F

## Wollaston

Bentley, George P. MB  
Shrader, J.H. ....CDN  
Wildes, Karl L. ....MQA

## Woods Hole

Barnes, Clifford A. .  
Iselin, Columbus ....EF  
Lewis, Miss L.A. ....N

## Worcester

Allen, Charles M. DMO  
Atwood, W.W. ....EL  
Atwood, W.W., Jr. .E  
Averill, Lawrence A. .I  
Barn, Frederick R. .FG  
Barnard, Frank P. NAO

## Worcester, Cont'd.

Bosshard, H.M. ....LOI  
Brown, Robert Heath I  
Budnitz, Edward ....N  
Bullock, Jesse L. ....C  
Buyniski, E.F. ....Np  
Calhane, D.F. ....C  
Davis, Lewis ....CNM  
Dick, K.R. ....NFO  
Ekblaw, W.E. ....EGO  
Forbes, W.T.M. ....F  
Hadidian, Zareh .FCE  
Hastings, D.J., Jr. .M  
Heisey, Mayo D. ....BM  
Hoagland, H. ....NFI  
Hyde, W.A. ....MB  
Kistler, S.S. ....CB  
Klein, A. Albert ....M  
Little, Homer P. ....E  
Lombard, Robert H. .C  
Looney, Joseph M. .CN  
MacKerrow, H.G. ....N  
Masius, Morton ....B  
Mather, Alan ....NC  
Melville, Carey E. ....A  
Meisgold, B.S. ....CB

## Worcester, Cont'd.

Miller, E.C. ....N  
Milligan, L.H. ....CBM  
Morgan, Theodore I. M  
Newell, Hobart I. .M  
Pincus, Gregory ....F  
Potter, David ....G  
Quigley, Thomas H. .B  
Rice, Harris ....A  
Rider, Miss E.L. ....GF  
Rooper, Percy M. ....BAC  
Rosenzweig, Saul ....I  
Scribner, Miss A.E. .  
PGE  
Shaw, Thomas B. ....N  
Sommerman, G.M.L. .  
MBD  
Sullivan, J.J. ....CBQ  
Super, Donald E. ....OI  
Tanner, Amy Eliza .I  
Wakefield, W.H. ....DB  
Woodward, S.B. ....N

## Wrentham

Tadgell, H.A. ....N

## MICHIGAN

## Adrian

Perry, Stuart H. .CEK  
Reuter, Sister M.A. .  
FGC  
Stimson, Sister M.M. C

## Albion

Adams, Miss Marian .  
Carter, Thomas ....IO  
Chickering, A.M. .FG  
Hance, K.G. ....KLO  
Marshall, John S. .IL  
Prescott, G.W. ....GF  
Rogers, Miss L.M. .FG  
Rood, C.E. ....BDA  
Sleight, Edwin R. .A  
Spencer, R.G. ....B

## Alma

Ditto, R.C. ....B  
Kaufmann, W.E. .CON  
Rice, Paul L. ....F  
Seifert, R.L.E. ....CBA  
Steward, F.M. ....IH

## Ann Arbor

Abbott, Lynn, Jr. .CN  
Adams, Henry F. ....I  
Allen, Shirley W. ....O  
Arnold, Chester A. .G  
Ayres, W.L. ....A  
Baird, R.L. ....FGQ  
Barker, Ernest F. ....B  
Barker, Paul S. ....C  
Bartlett, Floyd E. ....C  
Bartlett, H.H. ....G  
Barto, Miss E. ....FGH  
Bean, John Wm. ....NB  
Bernthal, Theo.G. .NF  
Blakeman, E.W. ....K  
Block, Walter D. ....CN  
Bouchard, Harry .M  
Bradshaw, John W. .A  
Brown, Carl R. ....I  
Brown, Oliver L.I. .C  
Brumm, J.L. ....KO  
Bunting, R.W. ....NDO  
Burt, W.H. ....FEG  
Carey, Clifton O. MDA  
Carr, L.J. ....K  
Case, Ermine Cowles E  
Catron, Lloyd ....N  
Colby, Walter F. ....B

## Ann Arbor, Cont'd.

Cork, J.M. ....B  
Crosby, Elizabeth ....N  
Curtis, Francis D. .O  
Curtis, Heber Doust .D  
Dana, S.T. ....OKG  
Davis, B.M. ....G  
Dempester, W.T. ....FN  
Diack, A.W. ....MC  
Dice, L.R. ....GFE  
Dierle, R.R. ....NIQ  
Dobrovolsky, C.G. .  
FNC  
Dodge, Stanley D. .EK  
Donahue, Mrs. W. ....I  
Duffendack, O.S. ....B  
Dwyer, Paul S. ....AKQ  
Eager, Miss Grace .FG  
Easlick, K.A. ....Nd  
Edmunds, C.W. ....N  
Eggleton, Frank E. .F  
Egley, William Henry L  
Ehlers, G.M. ....E  
Fellows, Miss K.A. .

## LFG

Ferguson, Alfred L. .C  
Ferguson, John ....NC  
Field, Peter ....A  
Gage, Mrs. H.T. ....FE  
Gesell, Robert ....NF  
Gillette, Roger H. CBA  
Glazko, Anthony J. .CN  
Gomberg, Moses ....C  
Grace, James D. ....Nd  
Graham, Samuel A. .F  
Griffiths, Charles H. .I  
Gustafson, F.G. ....G  
Guthe, Carl E. ....H  
Halford, Joseph O. .C  
Hall, M.F. ....NAQ  
Hann, Harry W. ....F  
Higbie, H.H. ....MBI  
Hildebrandt, T.H. .A  
Hile, Ralph ....F  
Hodges, W.H. ....E  
Hodges, J. Hallett .CB  
Hopkins, Louis A. .

## ADM

Hubbs, Carl L. ....F  
Hunt, Walter Fred .CE  
Hussey, R.C. ....E  
Isaacs, Raphael ....FN  
James, Preston E. ....E

## Ann Arbor, Cont'd.

Jay, Philip ....N  
Johnston, C.T. ....M  
Jones, Volney H. .HG  
Kahn, R.L. ....N  
Karpinski, Louis C. AL  
Kellum, Lewis B. .E  
Kenk, Roman ....FGO  
Ketcham, Miss D. KIH  
Koch, Harlan C. ....OI  
Kramer, T.C. ....NF  
Kraus, Edward H. .E  
Lapides, Jack ....N  
LaRue, Carl D. ....G  
LaRue, George R. .FN  
Leverett, Frank ....EH  
Lewis, H.B. ....CN  
Lichty, D.M. ....C  
Lindsay, Geo.A. ....B  
Losh, Miss H.M. .DA  
Lough, S. Allan ....CN  
Lovering, T.S. ....ERM  
McAlpine, Roy K. ....C  
McCotter, R.E. ....NDO  
McDermott, Miss E.B. .N

McLaughlin, D.B. .N  
DBE  
McLaughlin, L.H. .D  
Maddock, Walter ....N  
Magee, Conway ....N  
Maier, N.R.F. ....I  
Mains, E.B. ....G  
Mann, Charles ....NQF  
Mantele, K.A. ....N  
Marx, Lore ....FN  
Maxwell, Allan D. .D  
Merry, James ....G  
Meyer, Charles F. .B  
Miller, James A. .B  
Miller, Miss Lila .C  
Moehman, A.B. ....Q  
Moore, G.R. ....NdFH  
Muyskens, Miss F.D. F  
Muyskens, J.H. .FHI  
Newburgh, L.H. ....N  
Newcomb, W.W. ....FN  
Nicholson, H.C. ....NF  
Novy, F.G. ....N  
Nungester, W.J. .NCB  
Okkelberg, Peter ....F  
Olmstead, F.R. ....MBC  
Olson, Ada L. ....F

## Ann Arbor, Cont'd.

Olson, W.C. ....IO  
O'Roke, Earl C. .FNO  
Patten, B.M. ....F  
Pawlowski, F.W. .M  
Pedersen, Svend .CNB  
Peyton, Floyd A. .CMN  
Pierce, Miss M.E. ....N  
Pontius, M.B. ....N  
Preston, W.S. ....N  
Rainich, G.Y. ....A  
Randall, H.McA. ....B  
Reighard, Jacob ....F  
Rufus, W. Carl .DLA  
Running, T.R. ....A  
Ruthven, A.G. ....F  
Sadler, H.C. ....M  
Schoepfle, C.S. ....G  
Scott, Irving D. ....E  
Scott, W.T. ....A  
Searle, Miss O.M. .N  
Senstius, M.W. ....EGO  
Shohara, H. Helen .LFI  
Shull, A. Franklin .F  
Sleator, W.W. ....B  
Smeaton, W.G. ....C  
Smith, A.W. ....B  
Smith, Ralph G. ....Np  
Soule, Byron A. ....C  
Soule, M. II. ....NCI  
Spokes, Ray E. ....C  
Stalker, Edward A. .M  
Stanley, G.M. ....EHD  
Steere, Joseph B. .FII  
Steere, William C. .G  
Stockard, A.H. ....F  
Stocking, C.H. ....NpC  
Sturgis, Cyrus C. .N  
Sundwall, John ....N  
Taylor, W.R. ....G  
Thompson, Miss E.L. .  
NFH  
Titiev, Mischa ....H  
Toribara, Taft ....CMA  
Trow, Wm. Clark ....IQ  
Vanden Broek, J.A. .  
MBA  
Van Oosten, John ....F  
Vincent, H.B. ....B  
Waggoner, R.W. ....NI  
Ward, Marcus L. BCND  
Waterman, Leroy .L  
Weatherill, Philip F. C

**Ann Arbor, Cont'd.**

Wehmeyer, Lewis E. .... G  
Welch, Paul S. .... F  
Whitaker, B.L. .... Q1  
Whitaker, W.L. .... FN  
White, Leslie A. .... H  
White, Stephen S. .... G  
Wight, H.M. .... FGE  
Wile, U.J. .... N  
Willard, H.H. .... C  
Williams, Neill. .... B  
Wilson, Frank N. .... N  
Winder, Claude V. NFI  
Woodward, A.E. .... FN  
Woody, Clifford .... Q1  
Yoakum, Clarence S. .... I  
Young, L.J. .... O

**Battle Creek**

Darling, G.B., Jr. KMN  
Kellogg, J.H. .... N  
Roberts, W.L. .... CN  
Upson, W.O. .... N  
Wheelock, R.P. .... ME

**Benton Harbor**

Harrod, Don J. .... CBQ

**Berrien Springs**

Edwards, H.E. .... Q1  
Halen, H.F. .... C  
Klooster, H.J. .... C

**Big Rapids**

Benson, Simon .... Np  
Newton, Roy .... IQK  
Tapley, M.S. .... GFO  
Ward, M.S. .... QKI

**Birmingham**

Billington, Cecil .... G  
Ilvey, A.G. .... CP  
Ives, Margaret .... I  
Penfield, Mrs. P.L. .... F

**Bloomfield Hills**

Bingham, Mrs. M.T. .... G  
Hatt, Robert T. .... F

**Buchanan**

White, J.A. .... C

**Calumet**

Broderick, T.M. .... E  
Spacie, Edwin G. .... AIQ

**Coopersville**

Laves, Kurt .... D

**Crosswell**

Roehl, Mrs. K. McC. .... F

**Crystal Falls**

Royce, Stephen .... MEB

**Dearborn**

Moskalek, Simon MKL  
Schluchter, A.W. .... CM  
Sherwood, R.M. .... BMA

**Dearborn Heights**

Cole, H.N. .... BCE

**Detroit**

Ackley, Alma B. .... G  
Albers, Bert .... M  
Alger, Harry B. .... CNO  
Altshuler, S.S. .... N  
Amberg, Emil .... N  
Andersen, C.T. .... Q1  
Baker, Harry J. .... IQ  
Baker, H.B. .... EF

**Detroit, Cont'd.**

Beatty, Harold A. .... C  
Bergman, W.G. .... QIL  
Billing, Florence G. GFO  
Bixby, W.H. .... MBA  
Blain, A.W. .... NOF  
Bower, R.G. .... C  
Boyd, T.A. .... M  
Brook, C.A. .... M  
Brough, G.A. .... NC  
Brown, Milton T. .... M  
Burgess, E.H. .... BCM  
Cahill, W.M. .... N  
Calingaert, Geo. CBM  
Campbell, Don M. NQ1  
Canty, Alan .... I  
Caplan, S.J. .... CNP  
Carter, George W. .... B  
Chase, Miss E.W.B. .... G  
Clark, L.T. .... NCB  
Coley, Glenn .... M  
Cone, Mrs. Sophia K. FG  
Connelly, B.L. .... NHF  
Cooley, T.B. .... NKQ  
Courtis, S.A. .... QIF  
Creaser, C.W. .... F  
Dart, Francis E. BAM  
Dow, Douglas .... MCK  
Drews, R.S. .... NO  
Emmett, A.D. .... NCF  
Erdwurm, Graham FN  
Ferry, N.S. .... N  
Field, E.K. .... KNpC  
Fisher, L.E. .... MB  
Fitzgerald, Sister  
M.A. .... BDA  
Flinn, Miss H.L. .... IKQ  
Pollett, R.E. .... F  
Pollin, M.D. .... FHL  
Fox, Sereck H. .... CN  
Freund, Hugo A. .... N  
Fryklund, V.C. .... QPI  
Gaebler, O.H. .... CNF  
Gallo, E.E. .... N  
Gibson, K.R. .... NdK  
Gordon, W.H. .... N  
Graffis, H.A. .... CNB  
Graves, Walter J. MKB  
Hanson, Geo. B. PMB  
Harding, H.A. .... GOC  
Harmon, G.E. .... NKA  
Harris, S.D. .... Nd  
Hasley, Clyde K. .... N  
Haven, S. Edison .... IQK  
Hayden, H. .... CBN  
Heitman, E. .... MBA  
Heldt, T.J. .... NIH  
Hess, Lewis .... CB  
Hickens, Sister M.P. .... CAF  
Hoopes, B.F. .... N  
Howes, W.B. .... NCH  
Hubbard, Ruth M. .... IQ  
Hulbert, H.S. .... DBI  
Hulbert, Roberts .... C  
Hunt, John Herman .... M  
Joslyn, Dwight A. .... N  
Jozefczyk, A.M. .... Nd  
Kamm, Oliver .... C  
Kaucher, Miss M. .... NC  
Kavanau, J. Lee .... BCA  
Kemp, W.B. .... M  
Knoblock, F.D. AMB  
Kurt, O. Edward CBA  
Lamb, F.W. .... CBF  
Larson, Paul S. .... NCF  
Laukel, A.K. .... CGO  
Lehman, Arnold J. Np  
Lenhardt, L.G. .... ME  
Lewis, S.J. .... Nd  
Lindbergh, Mrs.  
E.L.L. .... C  
Lindh, Gunnar .... CMP  
Loew, Earl R. .... NC

**Detroit, Cont'd.**

Lowery, P.C. .... Nd  
McClure, Roy D. .... N  
McCrea, Adelia .... GNO  
McCullough, N.B. .... N  
McGinty, D.A. .... N  
McGraw, A.B. .... N  
McMath, Neil C. .... D  
McTeer, Wilson .... IH  
Macy, Icie G. .... CN  
Martin, E.J. .... B  
Massey, E.L. .... QCB  
Meador, F.M. .... N  
Meddaugh, D.H. .... FGK  
Metcalfe, Miss J.L. .... FH  
Miles, E.J. .... MCB  
Morse, L.S., Jr. .... MKQ  
Miner, Miss H.T. .... CQN  
Murphy, F.J. .... N  
Muttowski, R.A. .... FN  
Nauss, H.G. .... N  
Nelson, A.L. .... A  
Novy, R.L. .... C  
Ogden, Miss K. .... N  
Ohlsson, A.O. .... BFI  
Outzen, A.N. .... OCM  
Patterson, T.L. .... FN  
Paula, Sister M. .... ABC  
Petree, Edith E. .... GF  
Pfeiffer, C.C. .... NpCQ  
Poetker, A.H. .... BA  
Pope, W. .... M  
Povah, A.H. .... G  
Pratt, A.E. .... CNP  
Pratt, J.P. .... N  
Price, A.E. .... N  
Pyle, W.H. .... IQH  
Rankin, Paul T. .... QIK  
Rawson, George .... FN  
Reynolds, L. .... N  
Rivett, B.J. .... C  
Robinson, Mrs. M. .... NCO  
Rodney, Gertrude CNF  
Rodger, Miss E.A. .... G  
Rogers, M.A. .... NOK  
Rowe, L.W. .... CNp  
Rulon, G.O. .... F  
Sahyun, M. .... CF  
Sander, I.W. .... N  
Saunders, S.G. .... M  
Scarney, H.D. .... NBC  
Schelling, Victor .... C  
Schooley, J.P. .... FN  
Sclar, Martin D. .... C  
Scoville, W.L. .... CN  
Selby, C.D. .... N  
Selling, L.S. .... NIK  
Sladen, F.J. .... BCN  
Smart, R.C. .... IK  
Smith, A.H. .... CNO  
Snyder, A.J. .... CPM  
Soross, Harold .... CBA  
Spalding, E. .... NB  
Stapleton, W.J., Jr. .... N  
Stevens, R.H. .... NBC  
Stewart, J.K. .... C  
Stock, W.E. .... EGM  
Swartz, B.K. .... IKQ  
Sweet, L.A. .... CN  
Tanis, J.E. .... M  
Taylor, F.O. .... C  
Taylor, G.F. .... BDE  
Top, F.H. .... N  
Townsend, Miss E.W. .... F  
Ulbrich, H.L. .... NB  
Waldbott, G.L. .... N  
Watson, H.E. .... EKM  
White, Miss E.N. .... O  
White, Eli .... MB  
Whitehead, L.S. .... NI  
Williams, Gertha .... I  
Williams, H.H. .... CNO

**Detroit, Cont'd.**

Wohlgenuth, M.J. .... MKO  
Yagle, Miss E.M. .... FN  
Yaw, Miss K.E. .... G  
Zimmerli, F.P. .... CM

**East Lansing**

Beeskow, H.C. .... GC  
Bergquist, S.G. .... E  
Bessey, E.A. .... G  
Beth, R.A. .... BA  
Bourn, J.M. .... NC  
Brown, R.V. .... NpF  
Bywaters, J.H. .... OFA  
Camp, W.G. .... GQF  
Chamberlain, C.W. .... B  
Chandler, W.L. .... NOF  
Chapman, C.W. .... BAC  
Clark, A.J. .... C  
Darlington, H.T. .... C  
Davidson, James .... OFC  
Dexter, S.T. .... CGO  
deZeeuw, Richard .... G  
Dirks, H.B. .... M  
Dye, Marie .... CN  
Ewing, D.T. .... CB  
Fabian, F.W. .... N  
Fairbanks, H.V. .... CBA  
Gardner, V.R. .... O  
Giltner, Ward .... NGO  
Hanning, Miss F. .... CN  
Hayne, D.W. .... F  
Henderson, E.W. FOC  
Hewetson, Frank OGO  
Hoppert, C.A. .... CNO  
Huddleson, I.F. .... N  
Hunt, H.R. .... FH  
Huston, R.C. .... C  
Hutson, Ray .... F  
Ingerson, H. .... FGO  
Kelly, Miss Eunice NC  
Kelly, W.A. .... E  
Lewis, Miss M. .... NFH  
McDaniel, Miss E. .... F  
Marshall, R.E. .... O  
Miller, E.J. .... C  
Morrison, Miss S.E. .... B  
Motts, G.N. .... GOQ  
Nelson, Gaylord .... EA  
Newcomer, E.H. .... GO  
Noll, V.H. .... IO  
Nordstrom, C.H. ABL  
Partridge, N.L. .... OG  
Plant, L.C. .... ABM  
Rather, H.C. .... O  
Ray, L.L. .... E  
Roseboom, B.B. .... Np  
Russell, C.E. .... OG  
Ryff, J.F. .... N  
Schable, P.J. .... CGO  
Searl, W.C. .... K  
Spurway, C.H. .... O  
Stafseth, H.J. .... N  
Waters, N.F. .... FG  
Woodcock, E.F. .... G

**Ferndale**

Sharpless, G.R. .... NC

**Flint**

Barlett, H.B. .... ECM  
Crissey, O.L. .... IQ  
Derbyshire, H.J. .... N  
Keyes, L.A. .... MDB  
Kretschmar, A.H. .... N  
Loetscher, Miss L.H. .... Q  
MaWhinney, W.T. .... OKI  
Randall, H.E. .... NFG

**Galesburg**

Struble, R.H. .... NFG

Grand Rapids		Houghton, Cont'd.		Marquette		Rapid River	
Currier, F.P. ....	NIF	Harrington, J.M. ....	MBQ	Spooner, C.C. ....	ADB	Dohbel, Edward ....	C
DeVel, Leon ....	N	Oswald, A.G. ....	BMA	West, L.S. ....	FHO	Rochester	
Dorrance, A.B. ....	O	Rohrman, F.A. ....	CM	Midland		Jones, Sarah V.H. ....	F
Eldering, Miss G. ....	N	Seaman, W.A. ....	EM	Coleman, G.H. ....	C	Morrison, Gordon	FGO
Gillett, O.H. ....	N	Tolonen, F.J. ....	MO	Dow, W.H. ....	CDG	Royal Oak	
Herrick, C. Judson ....	F	Wood, Miss E.L. ....	EKL	Dreisbach, R.R. ....	FCG	DeForest, D. McC.	FNE
Herrick, Ruth ....	NF	Ironwood		Grebe, J.I. ....	BCE	Schott, E.L. ....	IQK
Horton, Sister M.M. ....		Eggler, W.A. ....	GE	Hale, W.J. ....	C	Saginaw	
GOH		Field, S.E. ....	AB	Hanawalt, J.D. ....	BCM	Bennett, Lee F. ....	E
Kendrick, Pearl ....	NF	Ishpeming		Irish, Don D. ....	NCF	Goodsell, J.O. ....	Nl
Merrill, R.H. ....	M	Stanford, F.C. ....	M	Putnam, Mark E. ....	C	Kirkham, V.R.D. ....	E
Ranck, S.H. ....	Q	Jackson		Taylor, F.L. ....	CP	McGregor, Robert ....	N
Scanlan, Sister M.M. ....		Chase, Katherine ....	N	Ullrey, M.A. ....	FGN	Ryba, F.J. ....	NK
CN		Foot, J.H. ....	MOK	Milford		Voik, V.K. ....	
Stang, Sister M.C. ....	FE	Lyons, D.C. ....	FNO	McNeal, R.L. ....	BAM	St. Clair	
Warren, K.L. ....	BAM	Norton, N.A. ....	OGB	Montague		Dunn, J.A. ....	CO
Way, Elmer F. ....	CMN	Steele, Harold ....	Q	Sadony, J.A. ....	IDL	Sault Ste. Marie	
Whinery, I.B. ....	MBA	Kalamazoo		Mount Clemens		Osborn, C.S. ....	EGN
Grass Lake		Andersen, H.P. ....	C	Mather, C.J. ....	GCN	Scottville	
Raymond, H.M. ....	MQ	Burnham, Ernest ....	KO	Mather, Enoch ....	NG	Coburn, Miss H.R. ....	G
Grosse Pointe		Diebold, Frances ....	FN	Peltier, S.J. ....	N	Suttons Bay	
Bugbee, Willis ....	B	Evans, John ....	C	Mt. Pleasant		Smith, W.R. ....	C
Killinger, A.H. ....	N	Gibson, E.A. ....	NFG	Anspach, C.L. ....	Q	Tecumseh	
Macaulay, J.B., Jr. ....	MBF	Goddard, H.N. ....	FGO	Filson, M.H. ....	C	Adamson, G.H. ....	DBA
Parker, W.R. ....	N	Hadley, Miss T. ....	Q	Jorae, Miss F. ....	F	Leland, H.H. ....	N
Parsons, J.P. ....	NCF	Hemmes, L.J. ....	IK	Pratt, Karl C. ....	IFK	Three Oaks	
Perkins, N.L. ....	IN	Henry, T.S. ....	IQ	Trout, D.M. ....	IQ	Edinger, Fred ....	HLK
Perkins, R.A. ....	N	Hightower, R.L. ....	KIH	Muskegon		Traverse City	
Grosse Pointe Shores		Hornbeck, J.W. ....	BD	Brocke, Alfred ....	N	Sweet, Miss F.A. ....	IQN
Bahr, F.C. ....	FKM	Joyce, Roy E. ....	GF	Negaunee		Willoughby, F.L. ....	N
Engle, E.W. ....	CMH	Kenoyer, L.A. ....	GF	Bush, John M. ....	CKM	Wakefield	
Harris, W.P., Jr. ....	F	Light, R.U. ....	NE	North Muskegon		Gowe, Verne ....	FGN
Harbor Beach		Mesick, R.O. ....	M	Wright, N.W. ....	QEC	Woodland	
Patten, A.J. ....	C	Morton, J.F. ....	N	Northville		Davenport, E. ....	OPG
Thomas, Adrian ....	CN	Rood, Paul ....	B	Kephart, N.C. ....	IQ	Williams, W.B. ....	MB
Hart		Scott, W.A. ....	NI	Martinson, Betty ....	I	Wyandotte	
Kurbatov, J.D. ....	EC	Serfling, Robert ....	FA	Phillips, F.T. ....	NC	Frostic, F.W. ....	Q
Highland Park		Sharbaugh, G.B. ....	N	Woodruff, C.E. ....	N	Hunt, C.K. ....	C
Breer, Carl ....	M	Straw, H.T. ....	E	Olivet		Smith, D.F. ....	C
Brewington, G.P. ....	BCA	Todd, Paul H. ....	C	Flory, Paul ....	IKL	Vaughn, T.H. ....	CP
Dahljelm, Irving ....	NC	Wenner, W.F. ....	FN	Hancox, R.R. ....	BAM	Vittone, Anton, Jr. ....	CM
Tiffany, B.E. ....	C	Lake City		Orchard Lake		Ypsilanti	
Tolonen, E.O. ....	ABI	Coffey, W.L. ....	KQ	Gierut, J.A. ....	CEQ	Garrison, N.L. ....	Q
Hillsdale		Lake Linden		Petoskey		Gorton, F.R. ....	BD
Barber, Miss R.A. ....	FG	Benedict, C.H. ....	M	Burns, Dean Carl ....	N	Harpster, Miss H. ....	F
Smith, Frank ....	F	Lansing		Pleasant Ridge		Sellers, J.A. ....	CBN
Spiegh, G.E. ....	BCN	Cope, H.E. ....	N	Hovey, A.G. ....	CP	Smith, H.L. ....	BAD
Holland		Cummings, G.D. ....	NP	Pontiac		Sturgeon, M.T. ....	E
Huizinga, J.G. ....	N	Devereaux, E.E. ....	F	Lehner, Miss M.I. ....	GF	Sullivan, W.H. ....	CFN
Thompson, O.E. ....	FGN	Gottschall, R. ....	N	McMath, R.R. ....	D	Duluth	
Holly		Moulton, V.V. ....	K	Sawyer, H.E. ....	D	Duluth, Cont'd.	
Burt, F.J. ....	BNC	Smith, R.A. ....	E	Rocky Mountain		Lakela, Olga ....	GF
Houghton		Strong, F.C. ....	G	St. Ignace		Lounsbury, W.C. ....	M
Carson, C.M. ....	C	Lewiston		St. Joseph		McCarthy, Sister K. ....	I
Dillman, G.C. ....	MOK	Leonard, J.W. ....	FG	St. Louis		Mueller, S.C. ....	N
Eddy, C.T. ....	BM	Lowell		St. Marys		Primmer, G.H. ....	EOK
Fisher, James ....	MBA	Quick, Bert E. ....	G	St. Paul		Rimmer, Harry ....	HE
Aurora		Minneapolis		St. Peter		Roberts, H.M. ....	EKP
Utterback, J., Jr. ....	NCG	Blaine		St. Vincent		Salsich, LeRoy ....	E
Bemidji		Brainerd		St. Xavier		Shastid, T.H. ....	NT
Elliott, A.M. ....	FGH	Glessner, G.F. ....	C	St. Zeno		Sorenson, H. ....	QI
Brainerd		Zapffe, Carl ....	E	St. Anthony		St. Ignace	
Aurora		Clinton		St. Ignace		St. Ignace	
Austin		Blumer, J.C. ....	GEO	St. Ignace		St. Ignace	
Utterback, J., Jr. ....		Cloquet		St. Ignace		St. Ignace	
Bemidji		Sherk, D.L. ....	C	St. Ignace		St. Ignace	
Elliott, A.M. ....		Collegeville		St. Ignace		St. Ignace	
Brainerd		Luetmer, Wendel ....	FG	St. Ignace		St. Ignace	
Glessner, G.F. ....		Crookston		St. Ignace		St. Ignace	
Zapffe, Carl ....		Parsons, J.G. ....	N	St. Ignace		St. Ignace	
Clinton		Wilson, Miss H. ....	FGC	St. Ignace		St. Ignace	
Blaine		Brainerd		St. Ignace		St. Ignace	
Blaine		Brainerd		St. Ignace		St. Ignace	
Blaine		Brainerd		St. Ignace		St. Ignace	
Blaine		Brainerd		St. Ignace		St. Ignace	
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Blaine		Brainerd		St. Ignace		St. Ignace	
Blaine		Brainerd		St. Ignace		St. Ignace	
Blaine		Brainerd		St. Ignace			

**Duluth, Cont'd.**

Thompson, M.J. ....OM  
Tuohy, E.L. ....N

**Elk River**

Longfellow, D.W. EBD

**Ely**

Cramer, Paul .....A

**Faribault**

Fabian, Sister M. CPO  
Hanson, A.M. ....N  
Huxley, F.R. ....N  
Nygard, Iver J. ...CGO

**Granite Falls**

Ostrom, Theodore ABQ

**Hibbing**

Churchill, Helen ..FG  
Erickson, R.W. ...JAF

**Hopkins**

Wade, H.H. ....M

**International Falls**

Cantwell, W.F. ....BN

**Lanesboro**

Schelin, K.G. ....OGF

**Le Sueur**

Barnard, J.D. ....OGM  
Oltman, R.E. ....GCO  
Scott, G.C. ....COG

**Mankato**

Keith, M.M. ....FG  
Miller, G.J. ....EQ  
Sletten, Miss C.P. EO  
Sperry, Wilbur ...CMK

**Minneapolis**

Abbe, Ernst C. ....G  
Allen, E.F. ....CHNP  
Allison, R.G. ....N  
Anderson, G.W. ....N  
Anderson, J.E. ....IO  
Anderson, William ..K  
Arnold, J. Earle ....CN  
Barron, Moses ....N  
Bell, J.E. ....N  
Bellis, C.J. ....N  
Bergen, J.T. ....N  
Bergh, G.S. ....N  
Bieter, R.N. ....NP  
Bird, Charles ....I  
Blount, I.H. ....FN  
Blount, R.F. ....FNO  
Borchardt, L.F. ....BCM  
Bovey, W.H. ....D  
Boyd, Edith ....NH  
Boyd, E.A. ....NF  
Briggs, C.H. ....COB  
Brink, R.W. ....AOB  
Brooke, W.E. ....AMQ  
Bruckner, Leo J. ....O  
Bryant, J.M. ....MO  
Bryngelson, B. ....NIO  
Buehta, J.W. ....BA  
Burns, G.W. ....GEF  
Burr, G.O. ....CGN  
Bussey, W.H. ....A  
Butters, F.K. ....G  
Cade, A.R. ....C  
Chalmers, C.H. ....MHI  
Chapin, F.S. ....KIL  
Clark, W.G. ....BCF  
Cohen, J.G. ....N  
Cooper, W.S. ....GE  
Craig, Austin ....LEH  
Cranston, Mrs. E.M. ....NCF

**Minneapolis, Cont'd.**

Croze, Miss A.B. ....CB  
Dalaker, H.H. ....A  
Davis, D.H. ....EK  
Davis, E.W. ....MEH  
Dawson, R.W. ....F  
Deinard, A.S. ....CHI  
Diehl, H.S. ....N  
Downey, Hal ....FN  
DuPriest, J.R. ....MOB  
Eklund, C.M. ....NCF  
Elliott, R.M. ....I  
Emmons, W.H. ....EM  
Erickson, Miss M.V. ....KAN  
Erikson, H.A. ....B  
Evans, C.A. ....NFC  
Evans, E.T. ....NQ  
Evans, G.T. ....N  
Feldman, S.I. ....F  
Ferrari, C.G. ....CBG  
Frankforter, G.B. ....C  
Gibbens, Miss G. ....QME  
Glockler, George ....C  
Goldsworthy, Z.L. ....QFG  
Goodenough, Miss F.L. ....IO  
Gordon, W.E. ....G  
Green, R.G. ....N  
Griffith, L.E.R. ....MBA  
Griffiths, Wm. ....IO  
Grout, F.F. ....EC  
Hall, Miss Jennie ....QI  
Halvorson, H.O. ....CN  
Hanley, F.B. ....E  
Hansen, A.E. ....NC  
Harris, D.B. ....IOH  
Hart, W.L. ....AD  
Hayden, J.F. ....EBC  
Head, G.D. ....N  
Heisig, G.B. ....C  
Hemingway, Allan ..C  
Henrici, A.T. ....NG  
Herrick, Carl A. ....MOA  
Hill, E.L. ....BAC  
Hirschfelder, A.D. ....NP  
Holman, W.F. ....M  
Huff, N.L. ....G  
Hynes, J.E. ....N  
Hynes, C.M. ....FN  
Jackson, C.M. ....FN  
Jackson, Dunham ..A  
Jenkins, G.L. ....CNP  
Johnson, B.L. ....GF  
Johnson, P.O. ....QI  
Johnston, Miss M.E. ....NC  
Kabler, Paul ....NPG  
Karolyi, E.J. ....FN  
Keys, Ansel ....NCF  
Kirchner, W.H. ....AM  
Kolthoff, I.M. ....C  
Lasby, Wm.F. ....Nd  
Lawrence, D.B. ....GEF  
Lawrence, Mrs. D.B. ....FG  
Layne, J.A. ....ND  
Leland, O.M. ....MD  
Levine, Milton ....NF  
Lind, S.C. ....CBE  
Lindeman, R.L. ....FG  
Livingston, Robert ..C  
Luyten, W.J. ....D  
MacDougall, F.H. ....C  
McKinley, J.C. ....N  
McQuarrie, Irvine ..NC  
Mallon, A.E. ....CBN  
Mann, C.A. ....CMQ  
Markley, M.C. ....HGE  
Marr, John ....GEF  
Matthews, H.D. ....BDM  
Michael, J.C. ....N  
Miller, H.E. ....NFB

**Minneapolis, Cont'd.**

Miller, L.F. ....B  
Miller, S.P. ....NFG  
Miller, S.E. ....C  
Miller, W.S. ....I  
Minnich, D.E. ....F  
Moore, J.W. ....GEO  
Moore, Miss M.E. QNA  
Morrison, A.W. ....N  
Moyer, A.F. ....MB  
Moyer, L.S. ....G  
Muller, W.A. ....FC  
Myers, J.A. ....N  
Nelson, Lowry ....K  
Newhart, Horace ....N  
Nigg, Clara ....N  
Nordland, M. ....NIK  
Oestlund, O.W. ....F  
Oliver, C.P. ....F  
Olson, Magnus ....F  
Opotowski, Isaac AMB  
Pacini, A.J. ....CNP  
Parker, W.H. ....QME  
Paterson, D.G. ....I  
Pervier, N.C. ....CO  
Peterson, S.A. ....COB  
Piccard, Jean ....M  
Pierce, Geo. O. ....NMQ  
Rasmussen, A.T. ....NF  
Ray, K.W. ....CME  
Raymond, Ruth ....QI  
Rea, C.E. ....N  
Reinecke, R.M. ....N  
Reyerson, L.H. ....C  
Richards, C.R. ....MQ  
Riebeth, Mrs. A.B. ....NGC  
Rigler, Leo G. ....NB  
Ringoe, A.R. ....F  
Rizer, R.I. ....N  
Roberts, T.S. ....F  
Rochford, W.E. ....N  
Rogers, C.H. ....CNP  
Rosendahl, C.O. ....G  
Rowley, F.B. ....M  
Rudolph, C.E. ....Nd  
Rupp, Alice ....N  
Sadtler, R.E. ....CNP  
Samuels, Leo T. ....N  
Sandell, E.B. ....CBD  
Sardeson, F.Wm. ....E  
Savage, G.M. ....NFC  
Scammon, R.E. ....HN  
Scherer, N.W. ....O  
Schiffers, J.J. ....NOL  
Schmitt, O.H.A. ....NBM  
Schwartz, G.M. ....E  
Sherwood, R.C. ....CO  
Shuman, J.W. ....ADM  
Shumway, R.R. ....A  
Sidener, C.F. ....C  
Skinner, B.F. ....IKF  
Smith, L.I. ....CQ  
Sneed, M.C. ....C  
Spink, W.W. ....N  
Stauffer, C.R. ....E  
Stenstrom, K.W. ....BN  
Stewart, C.A. ....N  
Straub, L.G. ....MAE  
Stoesser, A.V. ....N  
Tate, J.T. ....B  
Taylor, T. Ivan ....CBN  
Teeter, Thomas ....MAQ  
Thiel, G.A. ....E  
Tinker, M.A. ....IHO  
Treloar, A.E. ....AHN  
Turner, J.P. ....FG  
Valasek, Joseph ....B  
Van Wageningen, M.J. IO  
Visscher, M.B. ....NC  
Vivino, E.A. ....NC  
Vold, G.B. ....K  
Wallis, W.D. ....H  
Wangensteen, O.H. N

**Minneapolis, Cont'd.**

Watson, C.J. ....N  
Wendell, C.A. ....N  
White, Wendell ....IOK  
Wichman, T.H. ....FGN  
Wiethoff, C.A. ....Nd  
Wilcox, Hugh ....AM  
Willey, M.M. ....HKI  
Wodsdale, J.E. ....F  
Wright, H.N. ....NC  
Wulling, F.J. ....CN  
Zeleny, Anthony ....B

**Moorhead**

Parsons, Karl ....B  
Westfall, J.J. ....G

**Mound**

Jenks, A.E. ....H

**Northfield**

Bieberdorf, F.W. ....G  
Blayne, L. ....LOK  
Burns, Mrs. N.S. NF  
Cowling, D.J. ....IO  
Dungay, N.S. ....FN  
Fath, E.A. ....DB  
Gatz, A.J. ....FNC  
Gibson, G.R. ....E  
Glasco, P.M. ....CBN  
Gould, L.M. ....E  
Headley, Leal A. ....IO  
Holmquist, A.M. ....F  
Holstad, G.E. ....G  
Lincoln, A.T. ....C  
Lyght, C.E. ....N  
Rankin, T.E. ....L  
Seymour, K.M. ....C  
Solum, A.K. ....MAD  
Stewart, Miss M.G. BC  
Stork, H.E. ....G  
Tufte, E.T. ....QFG  
Waggener, Roy A. FNG  
Wilson, L.S. ....EKO

**Oak Terrace**

Schwartz, Miss V.M. NF

**Redlake**

Ostrom, C.J. ....FG

**Red Wing**

Anderson, A.P. ....G  
Densmore, Miss F. ....H  
Sargent, Mrs. R.M. ....FGN

**Rochester**

Alvarez, W.C. ....N  
Amberg, Samuel ....N  
Baldes, E.J. ....NB  
Balfour, D.C. ....N  
Benedict, W.L. ....BN  
Berkson, Joseph ....N  
Boothby, W.M. ....NC  
Broders, A.C. ....N  
Buie, L.A. ....N  
Essex, H.E. ....FN  
Giffin, H.Z. ....N  
Haines, S.F. ....N  
Hall, B.E. ....N  
Heilman, D.H. ....N  
Heilman, F. ....N  
Henderson, M.S. ....N  
Higgins, G.M. ....F  
Kendall, E. ....N  
Krusen, F.H. ....NBI  
Lovelace, W.R., II. ....N  
Magath, T.B. ....FN  
Mann, F.C. ....N  
Mason, H.L. ....NC  
Meyerding, H.W. ....N  
Miner, J.R. ....AKN

- Rochester, Cont'd.**  
 O'Leary, P.A. ....N  
 Osterberg, A.E. ....C  
 Pemberton, J.deJ. ....N  
 Power, M.H. ....C  
 Rosenow, E.C. ....N  
 Roth, G.M. ....N  
 Sanford, A.H. ....FN  
 Sheard, C. ....BN  
 Watkins, C.H. ....N  
 Wilder, R.M. ....N  
 Williams, M.M.D. ....N  
 FBN  
 Wilson, L.B. ....N
- St. Cloud**  
 Beltz, J.C. ....CQ  
 Clark, H.B. ....N  
 Croxton, W.C. ....GFO  
 Friedrich, G.W. ....FC  
 Graves, Miss E.G. ....EQ
- St. Joseph**  
 Grell, Sister Mary FGC  
 Westkaemper, Sister  
 Remberta. ....G
- Saint Paul**  
 Alderman, W.H. ....OG  
 Alexander, H.S. ....EB  
 Alway, F.J. ....CO  
 Ames, C.L. ....EH  
 Ausemus, E.R. ....OG  
 Bailey, C.H. ....GO  
 Bensend, D.W. ....OG  
 Biester, Miss A. ....CFN  
 Bonnett, Sister J.M. ....IQ  
 Boss, Andrew ....OKO  
 Boss, William ....BCM  
 Bouthilet, Miss L. ....INF
- Saint Paul, Cont'd.**  
 Briggs, David R. ....C  
 Brown, Miss C.M. ....QIK  
 Brown, J.A. ....ECF  
 Chambers, Miss E.C. ....CQ  
 Coffey, W.C. ....O  
 Combs, W.B. ....O  
 Cotter, R.U. ....GO  
 Dossall, Miss L. ....G  
 Eyre, F.H. ....GOF  
 Fitch, C.P. ....N  
 Fitch, J.B. ....O  
 Freeman, E.M. ....GO  
 Gevorkiantz, S.R. ....O  
 Gortner, R.A. ....CG  
 Granovsky, A.A. ....FG  
 Green, W. ....OFN  
 Gullickson, T.W. ....ONL  
 Halvorson, H.A. ....CO  
 Hansen, H.L. ....OG  
 Hart, Miss Helen ....G  
 Harvey, R.B. ....GO  
 Hastings, R.B. ....BM  
 Haydak, M.H. ....FCN  
 Hayes, H.K. ....GO  
 Hildebrandt, F.C. ....C  
 Hummel, J.A. ....CBG  
 Immer, F.R. ....OGF  
 Jones, R.U. ....C  
 Judd, Sister T. ....FN  
 Karlson, A.G. ....NFO  
 Kasper, E.M. ....N  
 Kaufert, F.H. ....G  
 Kennedy, C. ....FC  
 Kenyon, W.A. ....C  
 Kuhlmann, Fred ....I  
 Lawton, H.C. ....Nd  
 LeBarron, R.K. ....GOF  
 Leichsenring, J.M. ....CN  
 Lepak, J.A. ....N
- Saint Paul, Cont'd.**  
 Levine, M.N. ....G  
 McConnell, T.R. ....OI  
 Macy, Harold ....NO  
 Mickel, C.E. ....F  
 Muhleman, G.W. ....C  
 Noble, Isabel ....K  
 O'Keefe, T. ....IQ  
 Overn, O.B. ....BA  
 Palmer, Mrs. E.P. ....K  
 Palmer, L.S. ....CO  
 Petersen, Wm.E. ....FON  
 Riley, W.A. ....F  
 Roe, E.I. ....OG  
 Roepke, M.H. ....CBN  
 Rost, C.O. ....CO  
 Rudolf, Paul ....OGE  
 Ruggles, A.G. ....F  
 Rysgaard, J.M. ....B  
 Sandstrom, W.M. ....C  
 Schmitz, Henry ....OG  
 Schons, Edward ....N  
 Schricker, J.A. ....C  
 Shepard, H.H. ....F  
 Stakman, E.C. ....G  
 Starnberg, O.E. ....CO  
 Tanquary, M.C. ....F  
 Walter, O.T. ....FE  
 Watson, I.A. ....GFO  
 Wilcox, A.N. ....G  
 Wilson, H.K. ....GOC  
 Wilson, J.L. ....CBM  
 Winters, L.M. ....OFN  
 Wirtz, Sister St.M. ....GFE  
 Zon, Raphael ....GO
- Stillwater**  
 Harvey, Mrs. R.B. ....G
- Truman**  
 Campbell, J.N. ....NOQ
- Virginia**  
 Sayles, E.D. ....F
- Watkins**  
 Lindseth, F.J. ....BN
- Wayzata**  
 Brueske, G.A. ....BGD
- West Union**  
 Retzek, H.M. ....E
- White Bear Lake**  
 Stephens, H.N. ....C
- Winona**  
 Hoffman, J.J. ....C  
 Lies, Sister M.B. ....C  
 Meisinger, Sister M.S. ....GF  
 Minne, N. ....CBN  
 Owens, W.A. ....IQ  
 Scarborough, R.J. ....EDQ  
 Severin, C.F. ....G  
 Smith, Rose ....G  
 Thoenes, G.L. ....F  
 Thomssen, E.G. ....C
- Worthington**  
 Gustafson, J.E. ....FGB  
 Schmid, A.R. ....Nd
- St. Peter**  
 Elson, J.A. ....F  
 Froeberg, Sven ....IQ

## MISSISSIPPI

- Clinton**  
 Nelson, D.M. ....B
- Columbus**  
 Chapman, J. ....NQ  
 Evans, C.R. ....GFE  
 Sehon, Miss G.L. ....F
- Gulfport**  
 Knoth, Miss Sibyl FGC  
 LeBaron, C., Jr. ....NH
- Hattiesburg**  
 Steele, H.C. ....C
- Holly Springs**  
 Hall, P.J., Jr. ....FAB
- Jackson**  
 Cook, Fanny A. ....GF  
 Gaby, Ewin D. ....EMB
- Jackson, Cont'd.**  
 Kemmerer, M.C.W. ....I  
 Parks, Miss Mabel ....GF  
 Riecken, W.E. ....G  
 Sullivan, J.M. ....CE  
 Wedel, Arthur ....EBF  
 Westervelt, W.Y. ....ME
- Laurel**  
 Haynes, G.F. ....NdQC  
 Kressman, F.W. ....C  
 Stewart, B.O. ....CMO  
 Thickens, J.H. ....CM
- Oxford**  
 Gladden, S.C. ....B  
 McCrady, E. ....FLH  
 Pankratz, D.S. ....N
- Pass Christian**  
 Schuster, B.L. ....KN
- State College**  
 Briscoe, C.F. ....GFO  
 Etheredge, M.P. ....C  
 Kinkaid, Walker ....B  
 Lyle, Clay ....F  
 Miles, L.E. ....G  
 O'Kelly, J.Fred ....OGC  
 Pettis, C.R. ....MAE  
 Ragland, C.H. ....OG  
 Sheets, Miss Olive ....CN
- Stoneville**  
 Clark, Junius ....FGO  
 Dunnam, E.W. ....F
- University**  
 Brown, C.S. ....HEL  
 Conant, L.C. ....E  
 Evans, David ....F  
 Hammond, E.L. ....CNP  
 Hull, F.M. ....FGN
- University, Cont'd.**  
 Hume, Alfred ....AD  
 Kennon, W.L. ....BI  
 Morse, Wm.C. ....E  
 Nichols, R.J. ....FG  
 Parsons, G.W. ....CNP  
 Spelt, D.K. ....IN  
 Vestal, F.E. ....I  
 Wolfe, J.B. ....I  
 Woollett, G.H. ....C
- Vicksburg**  
 Lippincott, L.S. ....NC  
 Richardson, E. ....OK
- Washington**  
 Dodson, N.E. ....AB
- Whitfield**  
 Willey, L.W. ....N

## MISSOURI

- Advance**  
 Shrum, E.E. ....ECD
- Brentwood**  
 Stephens, J.Y. ....AD
- Butler**  
 Trumbull, R.S. ....O
- California**  
 Fuls, E.B. ....
- Cape Girardeau**  
 Bolen, H.R. ....F  
 Duckworth, A.S. ....EFG  
 Harty, John ....B  
 Kruse, S.A. ....IQ  
 Magill, A.C. ....C  
 Mueller, W.A. ....CB
- Carthage**  
 Guinn, C.B. ....FGO
- Clayton**  
 Engman, M.F. ....N  
 Graham, E.A. ....N  
 Graham, H.T. ....CNPQ  
 Grave, Caswell ....F  
 Ives, George ....N  
 Kammerer, A.L. ....CM  
 Kelly, O.A. ....Nd  
 Kelsey, T.D. ....C  
 McDonnell, J.S., Jr. ....MIK
- Clayton, Cont'd.**  
 Olmsted, W.H. ....NCK  
 Pepper, Selwyn ....NKQ  
 Sibley, C.K. ....F  
 Stevenson, Philo ....I  
 VanOrnum, J.L. ....AMQ  
 Wulfang, J.M., Jr. ....
- Clifton Hill**  
 Naylor, Miss J. ....CA

## Columbia

Adams, J.O. ....EKO  
 Albrecht, W.A. ....OCG  
 Almstedt, H. ....LIK  
 Bennitt, R. ....FGO  
 Bent, H.E. ....C  
 Bisbey, Bertha ....A  
 Blumenthal, L.M. ....A  
 Bogart, Ralph ....FNO  
 Branson, C.C. ....E  
 Branson, E.B. ....E  
 Bratton, S.T. ....E  
 Brody, Samuel ....CNO  
 Brown, Miss M.W. ....N  
 Callaway, Mrs. T.T. ....A  
 Cline, Miss J.A. ....CNO  
 Courts, F.A. ....I  
 Curtis, H.A. ....CM  
 Curtis, W.C. ....F  
 Dawson, R.F. ....GCO  
 Dufford, R.T. ....B  
 Ellis, Max M. ....FNP  
 Ellis, V.R. ....CB  
 Emig, A.S. ....K  
 Fuhr, Miss Clara ....G  
 Gingrich, N.S. ....B  
 Gullick, Addison ....NF  
 Guthrie, Mary J. ....F  
 Haseman, L. ....F  
 Haynes, E.S. ....DAB  
 Hogan, A.G. ....CON  
 Johnson, Miss M.M. ....G  
 Keller, W.D. ....E  
 Kennedy, J.J. ....NHI  
 Krusekopf, H.H. ....O  
 McClintock, B. ....G  
 McKenzie, F.F. ....ONF  
 Maneval, W.E. ....G  
 Mehl, M.G. ....E  
 Melton, A.W. ....I  
 Miller, M.F. ....GO  
 Moon, Merl P. ....NGO  
 Motley, H.L. ....NP  
 Mumford, F.B. ....FO  
 Murneek, A.E. ....GOC  
 Naylor, Ernst ....G  
 Odell, C.B. ....E  
 Overholser, M.D. ....NF  
 Peck, R.E. ....E  
 Ragdsdale, A.C. ....OF  
 Roeder, L.W. ....IKN  
 Selvidge, R.W. ....MQ  
 Siddle, R.W. ....NP  
 Smith, Miss E.W. ....F  
 Smith, Leon ....GFO  
 Stadler, L.J. ....GO  
 Stearn, A.E. ....CBN  
 Stewart, O.M. ....B  
 Stone, P.C. ....F  
 Talbot, T.J. ....G  
 Trowbridge, E.A. ....F  
 Tucker, C.M. ....GOF  
 Turner, C.W. ....OFN  
 Ungrnade, Herbert ....C  
 Van Buskirk, E.F. ....ONK  
 Van Deventer, W.C. ....F  
 Vinson, Carl G. ....OCG  
 Wahlm, G.E. ....A  
 Wantland, W.W. ....FO  
 Watkins, R.K. ....O  
 Westfall, B.A. ....NCF  
 White, Mollie G. ....C  
 Winterkorn, H. ....CBO  
 Woodruff, C.M. ....O  
 Ziegler, N.R. ....N

## Farmington

Mardorf, W.C. ....N

## Fayette

Abernathy, L.G. ....B  
 Gordon, N.E. ....CBA

## Fayette, Cont'd.

Jenner, E.A. ....FG  
 Stevens, K.P. ....F

## Flat River

Lockhart, E.G. ....I  
 Nahm, Miss Laura ....FG

## Florissant

Desloge, Joseph ....M

## Fulton

Alexander, C.S. ....HIK  
 Baiger, Miss P.L. ....FG  
 Butchart, J.H. ....A  
 Day, C.D. ....NF  
 LeBeau, Mrs. B.H. ....GO  
 Schneider, W.R. ....AMB  
 Weigle, O.M. ....C

## Glencoe

Lewis, Brother H. ....CBD

## Independence

Smith, F.M. ....KMN

## Jefferson City

Adams, C.F. ....FN  
 Burrill, A.C. ....FGH  
 Gow, A.M. ....ME  
 Kildare, A.A. ....B  
 Mayes, E.A. ....OFFE

## Joplin

Fowler, G.M. ....EKM

## Kansas City

Arnold, P.M. ....MC  
 Baer, B.E. ....ML  
 Bartle, G.G. ....E  
 Bradway, Miss L.M. ....FCG

Brown, H.P. ....C  
 Clay, G.H. ....C  
 Cochel, W.A. ....OK  
 Cross, Roy ....NC  
 Dennie, C.C. ....N  
 Dixon, O.J. ....N  
 Ekblaw, S.E. ....E  
 Faxon, H.D. ....C  
 Gibson, E.T. ....IN  
 Graham, W.R., Jr. ....NOC  
 Greene, F.C. ....E  
 Griner, A.J. ....B  
 Harrington, J.L. ....M  
 Harrouff, Earl ....CBM  
 Hill, A.R. ....L  
 Hill, R.V. ....E  
 Howard, E.E. ....M  
 Huntington, F.W. ....CBN  
 Keith, A. ....EI  
 Kinsley, A.T. ....N  
 Knight, J.S. ....N  
 Kohler, G.O. ....CFG  
 LeMoine, A.N. ....N  
 LeRoy, R.H. ....CNM  
 Lobb, Miss D.E. ....C  
 Luby, Wm. A. ....AD  
 Lyster, A.F. ....MCH  
 Magnuson, L.G. ....M  
 Melcher, George ....AQ  
 Meulemans, A.M. ....FN  
 Mogensen, Miss A.M. ....N  
 Moore, N.A. ....Nd  
 Myers, J.L. ....N  
 Patrick, Catherine ....IK  
 Patrick, Frank ....PG  
 Patterson, C.J. ....COP  
 Prince, John ....MBD  
 Pritchard, J.F. ....MDC  
 Rinehart, R.J. ....Nd  
 Robinson, R.B. ....IQ  
 Saeger, Albert ....GFC  
 Scofield, T.E. ....C

## Kansas City, Cont'd.

Shearer, M.H. ....E  
 Shirling, A.E. ....GEF  
 Skinner, E.H. ....N  
 Sondern, C.W. ....CN  
 Stephenson, Lyle ....F  
 Sutton, R.L., Jr. ....NMA  
 Swanson, A.M. ....O  
 Tully, W.C. ....OCN  
 Veatch, N.T., Jr. ....M  
 Wahl, H.R. ....NFO  
 Wildish, J.E. ....CBA

## Kirkville

Laughlin, H.H. ....FHK

## Kirkwood

Lang, George, Jr. ....CB  
 Paulin, E.A. ....BMA  
 Rau, Philip ....FI  
 Veazey, A.W. ....NC

## Lees Summit

Barada, A.S. ....C

## Liberty

Davis, J.E. ....B  
 Elmore, C.J. ....GF

## Malden

Whitten, J.H. ....G

## Marshall

Malcolm, W.W., Sr. ....KQI  
 Pasek, D.M. ....B

## Martin City

Brainard, B.F. ....N

## Maryville

Garrett, W.T. ....FGE  
 Mason, Miss C.Y. ....EBG  
 Simons, K.W. ....GFN

## Mexico

Schroeder, F.W. ....CME

## Missouri City

Barber, M.A. ....N

## Moberly

Adams, Miss E. ....GF

## Nevada

Ewers, Miss Lela ....FN  
 McCann, W.H. ....I

## Normandy

Gehenio, Sister M.P. ....FGC

## Pacific

Castelli, Joseph ....G

## Parkville

Findlay, M.C. ....F  
 Rogers, R.A. ....B  
 Setty, L.R. ....FG  
 Waldron, Miss A.M. ....Q

## Polo

Goldberg, I.E. ....N

## Richmond Heights

Maison, G.L. ....NFI

## Rolla

Buehler, H.A. ....E  
 Frame, F.H. ....MBA  
 Grawe, O.R. ....CE  
 Hanley, H.R. ....CBE

## Rolla, Cont'd.

Monroe, C.J. ....C  
 Walsh, D.F. ....MCB  
 Woodman, L.E. ....B

## St. Charles

Talbot, Mary ....F

## St. Joseph

Modeer, Elmer ....C  
 Owen, Miss J.A. ....F

## St. Louis

Aldrich, P.P. ....C  
 Alfend, Samuel ....CNF  
 Allen, V.T. ....E  
 Allen, W.M. ....NC  
 Anderson, Edgar ....G  
 Auer, John ....NP  
 Ball, T.R. ....C  
 Barck, Carl ....N  
 Barnett, H.L. ....N  
 Barr, D.P. ....N  
 Baumgarten, W. ....NHF  
 Berry, E.C. ....N  
 Bishop, G.H. ....N  
 Blair, V.P. ....N  
 Boling, L.R. ....NF  
 Boylston, A.C. ....CE  
 Brady, E.P. ....NdCQ  
 Branch, A.M. ....M  
 Brandhorst, O.W. ....Nd  
 Broadhurst, G.B. ....NdI  
 Bronfenbrenner, J. ....N  
 Bruno, F.J. ....KH  
 Buchanan, W.D. ....O  
 Bulger, H.A. ....NH  
 Bunch, C.C. ....INB  
 Bunch, M.E. ....IN  
 Butler, A.O. ....CN  
 Caspari, C.E. ....C  
 Charles, C.M. ....HNI  
 Clopton, M.B. ....N  
 Coldwater, K.B. ....F  
 Conover, C. ....CEH  
 Cook, J.E. ....N  
 Cooper, Z.K. ....FN  
 Cori, C.F. ....NpC  
 Cowdry, E.V. ....N  
 DeFoe, O.K. ....AB  
 Deutsch, Felix ....NI  
 Dietz, Carl ....CMP  
 Dietz, P.C. ....ACB  
 Dodge, C.W. ....GL  
 Doisy, E.A. ....N  
 Dougherty, E.T. ....C  
 Dubach, Miss A.R. ....NC  
 Dunkel, Otto ....A  
 Dunn, M.S. ....FN  
 Duval d'Adrian, A.L. ....C  
 Dvornikoff, M.N. ....C  
 Eagle, I. Orval ....CBN  
 Ehrenfest, Hugo ....N  
 Erlanger, Joseph ....N  
 Ernst, E.C. ....BN  
 Erskine, Lucian ....CAE  
 Evans, G.B. ....M  
 Ewerhardt, F.H. ....NH  
 Fleisher, M.S. ....GN  
 Fletcher, P.F. ....N  
 Freiberg, G.W. ....G  
 Gamrath, H.R. ....CF  
 Geerling, J.H. ....EHL  
 Gilson, A.S., Jr. ....N  
 Glatfelter, Miss E.E. ....EG

Grady, R.F. ....M  
 Grant, S.B. ....N  
 Graves, W.W. ....HIN  
 Gray, S.H. ....NLK  
 Greaves, J.D. ....CN  
 Green, F.W. ....MAK  
 Greenman, J.M. ....G  
 Hardesty, J.F. ....N

**St. Louis, Cont'd.**  
 Harris, D.L. ....N  
 Heising, Clara M. ....  
 Helmsing, Sister M.R. ....  
     CAO  
 HERSHEY, A.D. ....N  
 Heys, Miss F.M. ....FN  
 Hill, Edgar S. ....CN  
 Holtgrewe, F.W. ....N  
 Hughes, A.L. ....B  
 Hunt, G.A. ....N  
 Hurley, Sister J. d'Arc. ....  
     CNF  
 Irish, H.C. ....GO  
 Jackson, L.B. ....FD  
 Jauncey, G.E.M. ....B  
 Jones, L.R. ....N  
 Jordan, C.N. ....C  
 Julianelle, L.A. ....N  
 Keller, Joseph ....N  
 Kent, Richard ....B  
 Kernaghan, Mother M. ....  
     BA  
 Keyes, Sister R.A. FGH  
 Kinsella, R.A. ....N  
 Kirchner, W.C.G. ....N  
 Kneif, M.R. ....K  
 Kostko, J.K. ....M  
 Krieger, C.J. ....DBA  
 Lane, H.S. ....I  
 Langsdorf, A.S. ....MB  
 Larimore, J.W. ....N  
 Laughlin, C.W. ....BAK  
 Lemmon, V.W. ....IB  
 Lentz, T.F. ....IO  
 Loeb, Leo ....NF  
 Loeb, Virgil ....N  
 Long, Miss E. ....CON  
 Ludden, D.J. ....MNA  
 Luedde, W.H. ....N  
 Luyet, B.J. ....FGB  
 McCourt, W.E. ....EM  
 McCulloch, R. ....  
 McDaniel, F.W. ....  
 Macelwane, J.B. ....BF  
 Main, L.R. ....N

**St. Louis, Cont'd.**  
 Mallinckrodt, E., Jr. ....C  
 Mange, C.E. ....CMB  
 Margolin, Sol E. ....IO  
 Matlock, Miss N.F. ....QD  
 Mayo, M.J. ....IO  
 Meltzer, H. ....OI  
 Miller, Mary L. ....C  
 Mitchell, M.L. ....BDE  
 Moore, E.K. ....CNM  
 Moore, G.T. ....G  
 Moore, Morris ....GN  
 Nafe, J.P. ....I  
 Nagel, Miss L. ....GFC  
 Neilson, C.H. ....NO  
 O'Reilly, A.J. ....ABM  
 Osborn, J.O. ....A  
 Patterson, C.B. ....CMK  
 Peden, J.C. ....NBC  
 Peugnet, H.B. ....N  
 Pfingsten, Miss M. ....NF  
 Philpott, C.H. ....FNG  
 Pough, F.H. ....DCE  
 Preisler, P.W. ....C  
 Proetz, A.W. ....N  
 Puppel, I.D. ....NCB  
 Purcell, T.E. ....N  
 Reddish, G.F. ....Np  
 Reynolds, E.S. ....GC  
 Riddle, E.M. ....IO  
 Rioch, D. McK. ....N  
 Robinson, E.G. ....E  
 Robinson, H. ....Nd  
 Rodewald, C.W. ....CBA  
 Roever, W.H. ....ADB  
 Russe, Fred W. ....CP  
 Russe, F.W., Jr. ....MOC  
 Sachs, Ernest ....N  
 Sackett, C.H. ....OG  
 Schery, C.W. ....N  
 Schlueter, R.E. ....L  
 Schoemaker, D.M. ....N  
 Schwitala, A.M. ....F  
 Scott, G.H. ....FN  
 Seelig, M.G. ....N  
 Seib, G.A. ....NHF

**St. Louis, Cont'd.**  
 Sellmeyer, B.L. ....F  
 Shaffer, P.A. ....CN  
 Shahan, W.E. ....N  
 Shaklee, A.O. ....NpCI  
 Shannon, J.I. ....BED  
 Shaver, Nellie ....I  
 Shepard, W.D. ....NB  
 Sheiwin, C.F. ....MQ  
 Shipton, W.D. ....E  
 Short, R.L. ....A  
 Silberberg, Martin ....N  
 Snyder, E.N. ....NEF  
 Somogyi, M. ....NC  
 Soper, H.W. ....N  
 Stearn, N.H. ....EQM  
 Stroud, C.M. ....N  
 Sultan, Fred W. ....CN  
 Tate, F.W. ....CNp  
 Taussig, F.J. ....N  
 Teeters, W.R. ....C  
 Terry, R.J. ....NHI  
 Thayer, J.R. ....C  
 Thielke, R.C. ....CB  
 Trotter, Miss M. ....HNF  
 Varney, P.L. ....N  
 Varney, R.N. ....BAM  
 Veeder, B.S. ....N  
 Von Schrenk, H. ....M  
 Voyles, J.S. ....Nd  
 Wall, E.E. ....M  
 Wallingford, V.H. ....  
     CNM  
 Webb, E.A. ....NOG  
 Weiss, R.S. ....N  
 Welch, A. DeM. ....NC  
 Werner, A.A. ....NFI  
 Werner, Courtney ....E  
 Wettengel, C.A. ....MBC  
 Wiedemann, H.E. ....C  
 Williams, G.D. ....H  
 Wolff, Miss D. ....NF  
 Womack, N.A. ....N  
 Yntema, L.F. ....C  
 Zimmerman, L.I. ....BAD

**Springfield**  
 Beber, A.J. ....GCF  
 Cribbs, J.E. ....G  
 Finkel, B.F. ....AB  
 Glynn, Robert ....NII  
 Green, E.H. ....HI  
 Hanan, E.B. ....N  
 H'Doubler, F.T. ....NAC  
 Hovey, H.B. ....INC  
 Neal, R. ....CO  
 Palmer, Miss G. ....QKil  
 Temple, A.P. ....O  
 Thompson, F.F. ....IO  
 Voris, Ralph ....F  
 Whitney, L.V. ....B  
 Wilkinson, R. ....IO

**Tarkio**  
 Jenison, J.R. ....ABD

**University City**  
 Kuntz, Albert ....F  
 Liggett, W.E. ....GDE

**Warrensburg**  
 Morris, W.C. ....B

**Warrenton**  
 Schulze, Miss L.M. FG

**Webster Groves**  
 Baker, S.S. ....BDM  
 Clarke, Sister M.B. ....A  
 Crossen, H.S. ....N  
 Derby, F.H. ....O  
 Gross, J.H. ....NO  
 Kirkpatrick, A. ....C  
 Lischer, B.E. ....HNdQ  
 McLeese, Sister F. deC. ....  
     C  
 Whitehorn, J.C. ....NC  
 Williams, J.H. ....Nd

## MONTANA

**Belton**  
 Libbey, D.S. ....EHF  
**Billings**  
 Moos, Louis ....EFO  
 MacDonald, E.H. ....EM  
**Bozeman**  
 Cobleigh, W.M. ....C  
 Cotner, F.B. ....G  
 Kelly, H.C. ....BM  
 Linfield, F.B. ....O  
 McKee, Clyde ....OGK  
 Marsh, Hadleigh ....N  
 Mills, H.B. ....F  
 Morris, H. Elwood GCO  
 Patton, A. Rae ....CNO  
 Richardson, J.E. ....CNB  
 Spaulding, M.H. ....F  
 Strand, A.L. ....F  
 Swingle, D.B. ....G  
 Tunnici, E.A. ....N

**Butte**  
 Corry, A.V. ....M  
 Falck, A.D., Jr. ....EH  
 Koenig, A.E. ....C  
 McGill, Caroline ....N  
 Newman, J.X. ....NQC  
 Sales, Reno H. ....EM  
 Sloss, L.L. ....EF  
 Wendel, C. ....MEH

**Chinook**  
 Sprinkle, C.R. ....FGE

**Darby**  
 Shockley, Wilfred ...F

**Ekalaka**  
 Peck, W.H. ....EFH

**Glendive**  
 Hatterscheid, C.A. ....EFN

**Great Falls**  
 McHugh, Matthew ...I  
 Townsend, G. ....FNC

**Hamilton**  
 Cooley, R.A. ....F  
 Cox, H.R. ....NCE  
 Davis, G.E. ....NF  
 Palmer, B.M. ....OLD  
 Parker, R.R. ....FN  
 Philip, C.B. ....FN  
 Steinhaus, E.A. ....NF

**Helena**  
 Brown, Miss M.A. NOF  
 Butler, W.J. ....NFO  
 Covington, Miss M. AK  
 Gilbert, F.C. ....EKM  
 Neuman, E.W. ....C

**Huntley**  
 Seamans, A.E. ....O

**Missoula**  
 Browman, L.G. ....FNC  
 Castle, G.B. ....F  
 Deiss, Chas. F. ....EH  
 Elrod, M.J. ....FGN  
 Gisborne, H.T. ....O  
 Hetler, D.M. ....CN  
 Kemp, P.D. ....O  
 Little, E.M. ....BAC  
 Merrill, A.S. ....A  
 Ramskill, J.H. ....GO  
 Rider, T.T. ....Nd  
 Severy, J.W. ....G  
 Shallenberger, G.D. B  
 Suchy, J.F. ....CNpG  
 Turney-High, H. ....HK

**Shelby**  
 Downs, G.R. ....E

**Thompson Falls**  
 Stockton, R.S. ....MOA

## NEBRASKA

**Agate**  
 Cook, H.J. ....EFH  
**Albion**  
 Florell, V.H. ....OGC

**Beatrice**  
 Waddell, W.W. ....N  
**Bridgeport**  
 Sweet, S.R. ....OEH

**Broadwater**  
 Minshall, J.R. ....EHI  
**Chadron**  
 Berry, E.M. ....ABD  
 Philpott, C.W. ....BC

**Cheney**  
 Bell, Raymond ...ABQ  
**Columbus**  
 Allenburger, C.A. ....N

**Creighton**  
Burrell, R.H. .... KN

**Crete**  
Carlson, C.O. .... FGE  
Hawkes, Julia M. .... DA  
Helyhoe, A.G. .... I  
Johnson, A.L., Jr. .... BA  
Wightman, E.R. .... B

**Grand Island**  
Yost, Howard .... Nd

**Hastings**  
Cramer, John F. .... BAM  
Creighton, J.W. .... IIK  
James, Harry R. .... B  
McDill, R.M. .... A

**Kearney**  
Larson, Durfee .... EKO  
Morse, Mary L. .... C

**Lincoln**  
Ackerson, C.W. .... CO  
Allred, B.W. .... GEH  
Almy, John E. .... BC  
Andersen, Emma N. .... G  
Andersen, Arthur .... OK  
Apperson, Miss S.V. .... IQ  
Arnold, Charles H. .... N  
Arnold, I.I.A. .... AB  
Bailey, B.F. .... N  
Ballar, Warren R. .... I  
Barbour, Carrie A. .... E  
Bengtson, Nels A. .... E  
Blair, Thomas A. .... B  
Blake, I.H. .... FG  
Brenke, William C. .... AD  
Brown, D.J. .... C  
Burr, William W. .... OC  
Burt, J.B. .... NpC  
Camp, Chester C. .... ABM  
Collins, C.B. .... FGN  
Davis, H.P. .... OFG  
DeBaufre, W.L. .... M  
Duley, F.L. .... OGC  
Eiseley, Loren C. .... HF  
Emerson, Clarence .... N

**Lincoln, Cont'd.**

Engstrom, Harold E. ....  
Faylor, Miss L.M. .... QI  
Goggi, Carl E. .... CGN  
Goss, Robert W. .... G  
Gregory, Wilbur S. .... I  
Guilford, J.P. .... I  
Hamilton, Cliff S. .... CN  
Hendricks, B.C. .... COB  
Herpolsheimer, H. .... CN  
Hilton, D.C. .... N  
Himmel, Walter J. .... G  
Holck, H.G.O. .... Np  
Howie, J.M. .... AQ  
Jenness, Arthur F. .... INK  
Jensen, J.C. .... BMD  
Jorgensen, Guy C. .... CBF  
Keim, F.D. .... O  
Kiener, Walter .... GE  
Kiesselbach, T.A. .... OG  
Leverson, Ruth M. .... NCO  
Lewis, Keith H. .... NCG  
Lindgren, L.F. .... N  
Lugn, A.L. .... EH  
Lyman, R.A. .... Np  
McEwan, Eula D. .... E  
Macnab, James A. .... FGE  
Manter, Harold .... FN  
Marsh, Frank L. .... FG  
Marvin, H.H. .... B  
Mills, Miss L.M. .... NpFG  
Musselhi, Frank E. .... OCO  
Peltier, George L. .... G  
Perry, Winona M. .... IO  
Peterman, Jesse .... NIE  
Petersen, N.F. .... G  
Pierce, Tracy A. .... ABD  
Pool, Raymond J. .... G  
Powers, Joseph H. .... F  
Quisenberry, K.S. .... O  
Reed, Eugene C. .... E  
Reinhardt, James M. .... K  
Rosenquist, C.E. .... OG  
Runge, Lulu L. .... A  
Schramm, E.F. .... E  
Schultz, C.B. .... EHF  
Shirk, Claude J. .... GF  
Slaymaker, P.K. .... M

**Lincoln, Cont'd.**

Smith, T. Townsend .... B  
Spencer, Roy C. .... B  
Starch, E.A. .... OK  
Stoesz, A.D. .... GE  
Thompson, T.J. .... C  
Van Es, Leunis .... GN  
Wade, Otis .... F  
Walker, Elda R. .... GF  
Walker, Leva B. .... G  
Washburn, E. Roger .... C  
Weaver, J.E. .... G  
Webster, Wm.D. .... F  
Werner, H.O. .... GO  
Whitney, D.D. .... F  
Williams, R.A. .... O  
Worcester, D.A. .... IQ  
Yount, Marion .... G

**Norfolk**

Bohlen, Miss Anne .... GQ  
Hall, Miss R.C. .... GAC

**North Platte**

Zook, Leslie L. .... OGE

**Omaha**

Arendall, H.H. .... CFN  
Bennett, A.E. .... N  
Bennett, A.L. .... NpBC  
Best, R. Russell .... N  
Bisgard, J. Dewey .... NG  
Carroll, Paul L. .... FN  
Cech, Anton J. .... CB  
Clements, Leop. .... NOI  
Colien, F.E. .... NpC  
Crowley, Charles F. .... C  
Derbyshire, R.C. .... FGN  
Dietz, N., Jr. .... CNB  
Dunn, F. Lowell .... BCN  
Eggers, H.E. .... N  
Eppstein, Samuel .... NC  
Fair, R.H. .... M  
Garlough, L.N. .... FGA  
Garrett, F.D. .... F  
Gerald, Herbert F. .... Np  
Goidics, Mary .... FG  
Grodinsky, Manuel .... N  
Hayden, Charles K. .... BA

**Omaha, Cont'd.**

Herold, Joseph .... M  
Holyoke, E.A. .... NF  
Jacobsen, Miss E.M. .... FG  
Judd, J. Hewitt .... N  
Kenny, C.L. .... C  
Koch, Berthe C. .... IL  
Latta, John S. .... NF  
MacQuiddy, E.L. .... N  
Merchant, H.A. .... LNDQ  
Morgulis, Sergius .... C  
Myers, Lester E. .... Nd  
Noyce, W.K. .... CBD  
Pirsch, G.B. .... F  
Poynter, C.W.M. .... NH  
Prime, J.M. .... NpFH  
Ray, J.D. .... N  
Russum, B.C. .... NC  
Sachs, Adolph .... N  
Snider, R.S. .... NpC  
Streitz, Miss A.N. .... NC  
Stringer, Miss C.E. .... FGO  
Taylor, L.O. .... O  
Ward, Miss Neil .... C  
Whalen, E.P. .... FGN  
Wherry, W.P. .... N  
Wilhelmj, C.M. .... NF

**Palmyra**

Maiben, Ben .... O

**Scottsbluff**

Cooper, A.L. .... NEH  
Edgar, Alfred D. .... MOK  
Nuckols, S.B. .... O

**Seward**

Keinath, H.O.A. .... LK

**Valentine**

Vaughan, L.D. .... ABD

**Wayne**

Boyce, Miss J.W. .... AQI  
Brook, James E. .... B  
Moore, John A. .... G  
Wendt, Miss L.M. .... C

**NEVADA**

**Battle Mountain**  
Raring, Robert H. .... E

**Boulder City**  
Rose, Robert H. .... EHQ

**Caliente**  
Sander, Albert F. .... OGE

**East Ely**  
Rowdie, R.A. .... N

**Fallon**  
York, Bernard .... ME

**Lovelock**

Scott, A.H. .... CEM

**Reno**

Bixby, F.L. .... M  
Blair, G.B. .... BD  
Burke, W.E. .... C  
Chappelle, B.F. .... LHE  
Clark, Walter E. .... KO  
Church, J.E. .... BEL  
Deming, M.W. .... C  
Doten, Samuel B. .... O  
Earl, Warren B. .... N

**Reno, Cont'd.**

Frandsen, Peter .... F  
Gianella, V.P. .... EMD  
Hartman, L.W. .... BCD  
Headley, F.B. .... O  
LaRivers, I. .... FGE  
Leaver, Edmund S. .... M  
Lehenbauer, P.A. .... GO  
Leifson, Sigmund W. .... B  
Lewis, Sarah L. .... NCQ  
Lowrance, E.W. .... F  
Mack, M.E. .... FGO  
Miller, M.R. .... CO

**Reno, Cont'd.**

Moore, T.G. .... EKH  
Palmer, S.G. .... MPB  
Records, Edward .... N  
Sears, Geo. W. .... CO  
Sibley, Frederick H. .... M  
Swaim, C.C. .... NIQ  
Williams, Loring .... C  
Wood, Fredrick .... A  
Young, J.R. .... IH

**Wells**

Robertson, J.H. .... GFO

**NEW HAMPSHIRE**

**Acworth**  
Amsden, G.S. .... IHQ

**Concord**  
Burnham, W.H. .... IO  
Conwell, G.M. .... ABQ  
Howes, S.F.H. .... NI  
Norton, Louisa M. .... N  
Sears, F.E. .... B  
White, F.B. .... PQ

**Dover**  
Krabek, W.B. .... CNF

**Durham**

Bauer, Geo. N. .... KA  
Butler, O. .... G  
Dunn, Stuart .... GCO  
Fogg, Lloyd C. .... F  
Jackson, C.F. .... F  
Latimer, L.P. .... OGC  
Moran, Clement .... E  
O'Kane, W.C. .... FHC  
Phillips, T.G. .... CGO  
Sackett, E.B. .... QI  
Shimer, Stanley R. .... C  
Smith, T.O. .... CGO

**Durham, Cont'd.**

White, Geo. W. .... E  
Woodward, K.W. .... GO  
Yeager, A.F. .... OFG

**Exeter**

Bartlett, R.S. .... B  
Bent, Arthur E. .... B  
Funkhouser, H.G. .... ABQ  
Little, E.P. .... BF  
Longacre, Andrew .... QB  
Segerblom, W. .... C  
Shaw, Henry S. .... MB  
Thomas, Thurlio B. .... F

**Franconia**

Paton, Stewart .... N

**Hanover**

Ames, A., Jr. .... BIN  
Arnold, Norman K. .... F  
Austin, F.E. .... CDF  
Bailor, Edwin M. .... I  
Ballard, W.W. .... F  
Bowen, W.W. .... F  
Brown, B.H. .... A  
Brown, Mrs. Eleanor A. .... A  
Denison, R.H. .... E  
Dow, Peter S. .... MQN

**Hanover, Cont'd.**

Forster, R.P. .... FN  
 French, H.T. .... N  
 Gerould, J.H. .... F  
 Gilbert, N.E. .... BD  
 Gliddon, Gordon H. .. B  
 Griggs, Leland ..... F  
 Hull, G.F. .... B  
 Junkins, Sydney E. .. M  
 Karwoski, T.F. .... I  
 Lord, F.P. .... NFG  
 Mathewson, L.C. .... A  
 Meservey, Arthur B. .. B  
 Miller, Ralph E. .... FN  
 Moritz, C.E. .... F  
 Page, F.S. .... G  
 Pollard, Joseph G. .. N  
 Poole, James P. .... G  
 Proctor, Charles A. .... B  
 Stewart, C.C. .... NF  
 Stone, C.L. .... I  
 Syvertsen, R.C. .... NF  
 Unger, W.B. .... F

**Hanover, Cont'd.**

Wilder, Charles E. .. AB  
 Wilson, C.L. .... G  
 Wyeth, George A. .... N

**Hillsboro**

Baldwin, H.I. .... GOE

**Laconia**

Kassner, Myer J. .... ECB  
 Roberts, Edwin J. .... C  
 Shortle, Walter .... CBA

**Lebanon**

Haskins, Charles N. .. A

**Littleton**

Ciampolini, E. .... NMK

**Manchester**

Bennett, H.W.N. .... N  
 Hunt, Samuel P. .... MCB

**Manchester, Cont'd.**

Streeter, Miss E.W. .. IK  
 Wallace, L.O.S. .... NDB

**Melvin Village**

Page, Lincoln R. .... ECF

**New Ipswich**

Hobson, E.G. .... Q

**New London**

Richardson, F.L. .... FN

**Newport**

Satterlee, H.S. .... NH

**Peterborough**

Batchelder, C.F. .... F  
 Jackson, R.T. .... FE

**Portsmouth**

Raynes, A.F. .... N  
 Raynes, George W. ....

**Sanbornton**

Bingham, H.C. .... IOH  
 Cobb, Miss M.V. .... IOH

**Seabrook Beach**

Pickard, G.W. .... BM

**Sugar Hill**

Jameson, Elsa D. .... IQ

**Whitefield**

Lay, J.T. .... B

**Wilton**

Abbott, W.G., Jr. .... M

**Wolfeboro**

Sargent, H.E. .... QGB

**Wonalancet**

Crane, Myrick .... CBM

**NEW JERSEY****Allenhurst**

Mitz, George .... MBC

**Alpine**

Burnett, J.C. .... BCN

**Arlington**

Joyce, C.M. .... CO  
 Lyon, Carl F. .... CBI  
 Medsger, O.P. .... G  
 Paine, H.W. .... CBP  
 Townsend, Robert V. .. C

**Atlantic City**

Wescott, W.C. .... CN  
 White, C.D. .... DEK

**Avon by the Sea**

Bamberger, Edgar S. ..

**Barber**

Forrest, C.N. .... M

**Bayonne**

Dodge, F.D. .... CBA  
 Gaines, Robert P. .... CN  
 Monahan, F.S. .... CBE  
 Pilling, Norman B. .... M  
 Poskus, A.C. .... CBA  
 Rubenstein, Eli .... N

**Belleplain**

Durell, Fletcher .... A

**Belleville**

Briod, Andre E. .... CON  
 Cummings, H.N. .... QME  
 Parker, Hugh K. .... C  
 Reock, E.C. .... NdK  
 Zrike, Edward .... CMN

**Belmar**

Bamford, W.B. .... KIM  
 Higley, L. Allen .... CE

**Belvidere**

Cummins, George W. N

**Bendix**

Woldman, N.E. .... BM

**Bergenfield**

Ekstrand, S.O. .... BMA  
 Smith, Clarence A. .... CNA

**Bernardsville**

Cross, W. Redmond .. E  
 Fosbinder, R.J. .... CN  
 Jacobus, D.D. .... CBM  
 Roebing, John A. .... M

**Beverly**

Mendel, William CME

**Birmingham**

Dean, John G. .... CBA

**Bloomfield**

Bender, Howard L. .... C  
 Casselman, Ralph .. CM  
 Fenner, L.M. .... G  
 Findlay, John H. .... BCA  
 Giesy, P.M. .... MCQ  
 Hazen, Thomas .. BAM  
 Irvin, Roy .... C  
 Liming, O.N. .... GFO  
 Marden, John W. .... CMB  
 Mead, M.W., Jr. .... C  
 Moore, R.J. .... CM  
 Rentschler, H.C. .... C  
 Schildknecht, C.E. .... CO  
 Schmidt, John H. .... C  
 Schwenk, Erwin .... CN  
 Stoner, W.H. .... NF  
 Teaze, M.H. .... MAC  
 Vassar, H.S. .... M  
 Wakefield, H.F. .... C  
 Weith, Archie J. .... CBM

**Bloomington**

Donald, William CMK

**Bogota**

Scott, E.L. .... NCF

**Bound Brook**

Amick, Chester A. .... C  
 Crossley, M.L. .... C  
 Jeffcott, Robert C. .... C  
 Mackenzie, C.S. .... K  
 Merz, August .... C  
 Pineo, O.W. .... BN  
 Schaffie, Albert .... Q  
 Schneiderhan, F.J. .... G

**Bridgeton**

App, Frank .... O

**Burlington**

Mott, W.E. .... MQ  
 Schuh, Arthur E. .... C  
 Steinmetz, Miss M.E. .. A

**Caldwell**

Leibing, Joseph K. ....  
 Stacy, L.J. .... BM  
 Taylor, T.S. .... B  
 Willis, F.C. .... M

**Camden**

Antrobus, Edna M. .... N  
 Foley, Joseph .... MA  
 Goldstein, H.I. .... N  
 Kohman, E.F. .... CN  
 Schlesman, C.H. .... CM  
 Schroeder, A.C. .... MBA  
 Shemeley, W.G., Jr. .... NIH  
 Wolff, Irving .... B

**Carneys Point**

Ranck, Bruce O. .... CMI

**Chatham**

Bostwick, L.G. .... BD  
 Manning, Arthur C. .... CB  
 Wallace, E.V.D. .... MBC

**Clifton**

Dobson, George .... BMK  
 Fenner, C.N. .... EBC

**Closter**

Ackerman, Mrs. E.S. .... ADB

**Collingswood**

Sturmer, J.W. .... CNQ  
 Vanderkleed, C.E. .... CN

**Convent Station**

Brobston, Sister M.A. .... CBA  
 Dorety, Sister H.A. .... G  
 Lawlor, Sister A.C. .... FGN  
 Murray, Sister M.R. .... C

**Cranford**

Beach, H.K. .... MBA  
 Dexter, F.P., Jr. .... CBE  
 Wilson, A.M. .... C

**Cresskill**

Teeters, Wilbur O. .... C

**Dayton**

Durfee, Thomas .... NC

**Demarest**

Crosman, A.M. .... FN

**Dover**

Allison, V.C. .... EFH  
 Craig, Miss G.M. .... NF  
 Fry, Alvin .... QCE  
 Moore, Stanley B. .... M  
 Phillips, A.J. .... BCI  
 Rinkenbach, W.H. .... CF  
 Scharf, R.W. .... CNA

**Dumont**

Alter, B.E.K., Jr. .... BAC

**East Orange**

Brown, A.T. .... MBA  
 Colbeth, I.M. .... CAM  
 Cowles, Harry D. .... C  
 Embury, Miss E.C. ....  
 Ernst, Herman .... QCB  
 Hagemann, G.E. .... MKQ  
 Hogg, J.L. .... B  
 Krimer, Elmer K. .... IQ  
 Macalpine, W.W. .... MB  
 Palmer, Harold .... AQ  
 Pickering, D.B. .... DBF  
 Rimsky-Korsakoff, Vladimir N. .... FCL  
 Schwing, Karl J. .... CBM  
 Stone, Leo .... C  
 Tripp, James G. .... MEK  
 Walsh, Joseph .... Nd

**Edgewater**

Rose, Mary D.S. .... FGN  
 Yelland, W.E. .... C

**Elizabeth**

Bonnett, L.B. .... BM  
 Davis, G.H.B. .... CNM  
 Deane, C.W. .... MCQ  
 Hoover, A.R. .... N  
 Kearby, K.K. .... CMI  
 Miller, N.E. .... COM  
 Molitor, Hans .... N  
 Moulton, S.C. .... CBA  
 Peck, E.B. .... CMB  
 Phillips, G.W.M. .... MCB  
 Sloane, R.G. .... CM  
 Toth, Stephen J. .... COG  
 Wenker, Henry .... C  
 White, John U. .... BCD  
 Whitner, Thos. C., Jr. .... C  
 Williams, Arthur S. .... C

- Elmer**  
Garrison, W.A. ... IQA
- Englewood**  
Atchley, Dana W. ... N  
Bogert, C.M. ... F  
Echols, Charles P. ABQ  
Famulenei, L.W. ... NG  
Gitlitz, A.J. ... NBC  
Mills, P.C. ... K  
Neidig, W.N. ... MKB  
Phillips, Walter ... N  
Seymour-Jones, F.L. ... CO
- Essex Falls**  
Stacey, Alfred, Jr. MH
- Far Hills**  
Tainter, F.S. ... M
- Flemington**  
Ritchie, John W. ... G
- Florham Park**  
Cline, J.K. ... CN
- Freehold**  
Hunter, R.J. ... DFH
- Garfield**  
Chmielowiec, S.A. ... I
- Gibbstown**  
Franzinger, K.W. CEB
- Glassboro**  
Haupt, George W. ... QI
- Glen Ridge**  
Brainin, C.S. ... BDP  
Kenagy, H.G. ... IKO  
Slack, C.M. ... B  
Stillwell, E.C. ... Nd  
Westcott, Miss C. ... G
- Glen Rock**  
Shannon, E.R. ... EIK
- Grantwood**  
Bons, Franz ... HL  
Frack, E.T. ... C
- Grasselli**  
Zimmerman, B.G. ... CMP
- Grenloch**  
Bateman, Fred H. ... OM
- Greystone Park**  
Beucier, W.G. ... NCP
- Hackensack**  
Greenfield, W.J. ... N  
PHELPS, John J. ...
- Haddonfield**  
Brown, George H. MBA  
Westermaier, F.V. ... M
- Hamilton Square**  
Rhodes, Fraser B. ... MC
- Harrison**  
Buxton, Loran O. CNP  
Headrick, L.B. ... BCA  
Ulrey, Dayton ... B
- Haworth**  
Putt, Earl B. ... CN
- Highland Park**  
Brines, M.J. ... IQ  
Entemann, C.E., Jr. ... CNF
- Highland Park, Cont'd.**  
Palmer, John W. ... NC  
Peterson, Paul D. OGC  
Robbins, W. Rei ... GO
- Highlands**  
Haynes, Caroline C. ... G
- Hoboken**  
Barnwell, G.W. ... KMI  
Becker, G.G. ... G  
Conner, Robert ... C  
Davis, Harvey N. ... BM  
Deimel, Richard F. ... M  
Fine, Morris S. ... CG  
Furman, F. De R. ... MO  
Gunther, C.O. ... ABM  
Hazeltime, L. Alan ... AB  
Huber, Charles J. ... MB  
Koblener, Hugo ... OC  
Kremers, R.E. ... CNO  
Olgen, Aksel G. ... C  
Pond, Francis J. ... C  
Snader, David L. ... M
- Holmdel**  
Englund, Carl R. ... MBA
- Interlaken**  
Schelleng, J.C. ... B
- Irrington**  
Goeller, Jacob ... NI  
Linck, Victor ... HLK
- Jersey City**  
Alter, Nicholas M. ... N  
Bowden, G.A. ... CBI  
Bremer, Valentine CN  
Cassel, Hans M. ... CBN  
Chesley, Leon C. ... CNF  
Colgate, Robert B. ... C  
Crunden, A.B., Jr. ... NO  
Dyme, H.C. ... CNA  
Eldred, Frank R. ... CM  
Graft, Charles E. ... M  
Haage, Miss L.L. ... NQK  
Hohman, Arthur J. ... C  
Ireland, C.E. ... B  
Jaffin, A.E. ... NFH  
Lamson, Edna E. ... JOE  
Leyes, C.E. ... CMB  
Orelup, J.W. ... C  
Rosinger, Arthur BCP  
Samuelson, C.D. ... BM  
Scott, C.R.E. ... CBM  
Seydel, Herman ... CM  
Shawver, B.T. ... CBA  
Tortora, Anthony NCG  
vonder Lieth, J.F. ... CN  
Wallace, J.H., Jr. ... CN
- Kearny**  
Brown, George R. ... MBC
- Kearbey**  
McDowell, S.J. ... CME
- Lake Hiawatha**  
Mooney, Melvin ... BP
- Lakewood**  
Agar, William M. ... E
- Lambertville**  
Fireman, Peter ... CB  
Kugler, L.T. ... C
- Lawrenceville**  
Heath, H.W. ... CB  
Hitchcock, C.S. ... CBQ  
Light, A.B. ... FIN
- Lebanon**  
McIntire, W.C. ... C  
Stowe, H.C. ... M
- Leonia**  
Butler, B.T. ... EGH  
Elmen, G.W. ... M  
Gwynn, M.H. ... CAB  
Hamilton, F.M. ... IO  
Hilbert, F.L. ... CBI  
Hixson, Arthur W. ... C  
Horne, H.H. ... QI  
Karapetoff, V. ... BMA  
LaMer, Victor K. ... CBK  
Linn, Davide E. ... CNB  
Marsh, H.D. ... IHK  
Merrill, John E. ... D  
Morse, L.B. ... BDI  
Ramsperger, H.G. KIH  
Snider, Luther C. ... E
- Lincoln Park**  
Thomson, H.M. ... MK
- Linden**  
Gajewski, Fred J. ... CDN  
Greenberg, Pearl ... I
- Livingston**  
Lorz, Mrs Albert P. ... F
- Long Valley**  
Laskey, W.G. ... M
- Lower Bank**  
Underhill, C.R. ... MBN
- Lyndhurst**  
Ehrlich, M.W. ... M
- Madison**  
Beinecke, F.W. ...  
Cole, Stewart G. ... QIK  
Dumm, Walter J. ... CO  
Green, Wyman R. ... C  
Hale, Mrs. R.D.S. ... FG  
Harrington, M.C. ... BD  
Hubbard, Mrs. J.C. ... H  
Lawson, O. Gerald ... L  
Maxfield, J.P. ... MB  
Potter, R.K. ... M  
Rollins, Mabel A. ... K
- Mahwah**  
Grisewood, E.N. ... BQ
- Manville**  
MacAlpine, W.M. ... CB
- Maplewood**  
Bown, Ralph ... BM  
Butler, W.M. ... DKL  
Clark, Alva B. ... MKB  
Fox, John P. ... D  
Lamme, M.A. ... C  
Mathes, R.C. ... MB  
Mills, John ... M  
Moore, Miss M. ... CN  
Pidgeon, H.A. ... BM  
Springer, W.M. ... CBA  
Summers, D.B. ... CNM
- Margate City**  
Homan, John G. ... I
- Marlboro**  
Baker, E.F. ... N  
Gordon, J.B. ... NI  
Stone, Robert ... IHQ
- Marlton**  
Zworykin, V.K. ... B
- Martinsville**  
Smith, J.M., Jr. ... C
- Maywood**  
Carruth, Frank E. ... C
- Merchantville**  
Patterson, J.E. ... CBN  
Terry, Robert L. ... F
- Metuchen**  
Dahlstrom, Roy ... C  
Myers, A.M. ... M  
Sayre, Ralph ... C  
Waddell, James ... CNO
- Millburn**  
Germer, Lester H. ... B  
Nyquist, H. ... B  
PHELPS, Lillian A. ... F  
Semple, R.A. ... M
- Millington**  
Draper, Thomas ... M  
Park, Robert H. ... BCA
- Milltown**  
Gloor, W.E. ... CM
- Millville**  
Barton, G.E. ... C  
Lewis, Daniel C. ... CKQ
- Montclair**  
Adams, E.W. ...  
Bailey, Miss E.H. ... MK  
Baker, J.C. ... CN  
Brooks, J. Ansel ... M  
Fracklin, Leon H. ... NK  
Fuller, R.M. ... E  
Gibbons, Willis A. ... C  
Glenn, Earl R. ... BQ  
Haines, Thomas H. ... IN  
Hessel, F.A. ... C  
Hollingshead, G.G. HK  
Hutchinson, F.J. ...  
Irion, Clarence E. ... C  
Ives, Herbert E. ... B  
Jones, M.L.G. ... EFL  
Kinney, Joseph N. ... MO  
Llewellyn, F.B. ... BAM  
Mallory, Virgil S. ... AO  
Mount, Walter B. ... NL  
Pudney, W.K. ... N  
Reed, W. Maxwell ...  
Schlacher, Carl H. ... M  
Threlkeld, A.L. ... Q  
Vorce, L.D. ... CM  
Weston, Mrs. E.F. EIG
- Moorestown**  
Hadley, C.H. ... F  
Haines, E.C. ... GBO  
Hall, Lawrence P. ... C  
Lamborne, G.W. ... CEF  
Linton, M.A. ... OKA  
Merrill, Mrs. D.R. ... C
- Morris Plains**  
Montgomery, Wallace ... MCK
- Morristown**  
Colvin, Charles H. ... M  
True, R.P. ... GO  
van Beuren, F.T., Jr. ... N  
Walter, J.M., Jr. ... GO  
Webber, Ray T. ... F
- Mt. Holly**  
Calmon, Calvin ... C
- Mountain Lakes**  
Black, K. Charlton ... B  
Fitzgerald, G.A. ... CNO  
Kollmorgen, F.L.G. ... BDG

**Mountain Lakes,  
Cont'd.**

Moulton, Gail F. .... E  
Muesser, E. E. .... MKB  
Newman, D. F. .... M  
Shewhart, W. A. .... K

**Newark**

Antopol, William .... NC  
Barnard, C. I. .... HIK  
Bauman, E. O. .... NCF  
Bretzke, C. F. .... KM  
Carter, Fred E. .... MBC  
Carvin, F. D. .... MBO  
Clark, William .... K  
Colson, Henry C. .... CNM  
Cooper, Joseph H. .... C  
Cosgrove, John F. .... CFN  
Coy, Herbert D. .... NDB  
DeLeon, B. .... BOK  
Dennis, Harold .... CBE  
Deno, Richard A. .... F  
Edel, Albert E. .... C  
Fletcher, Charles W. .... M  
Goedrich, Paul .... CN  
Goldberg, Samuel A. .... N  
Goodwin, W. N., Jr. .... MB  
Horning, Samuel C. .... C  
Joseph, Edward, III. .... N  
Kelley, M. J. .... CBA  
Koenig, Walter J. .... CB  
Krementsz, Richard .... I  
Levine, Philip .... NFG  
Lewis, Leon .... NCH  
Little, Ernest .... CN  
McCarthy, Miss M. .... C

Meier, Frank A. .... NC  
Miller, R. B. .... EGM  
Ozias, Ramon E. .... C  
Saltsman, Edgar .... BME  
Schmelkes, F. C. .... C  
Schramm, G. J. .... I  
Skinner, Leo V. .... MBA  
Stanley, Miss P. .... NFC  
Steiner, Miss M. E. .... I  
Thiessen, R. Jr. .... CGF  
Weckstein, A. .... OFG  
Wiggin, B. L. .... B  
Wintsch, C. H. .... N  
Wood, F. D. .... F  
Wood, H. E., II. .... EF  
Woodward, H. P. .... EMH

**New Brunswick**

Allison, J. B. .... CFN  
Anderson, J. A. .... CN  
Anderson, John F. .... N  
Ansbacher, S. .... NC  
Bear, Firmin E. .... COG  
Blair, A. W. .... CO  
Bunney, W. E. .... NC  
Burgess, Miss A. .... EH  
Burkhart, Leland .... C  
Cathcart, Chas. S. .... C  
Chryster, Mintina. .... G  
Clark, E. S. .... BFG  
Cole, William H. .... FG  
Connors, C. H. .... OGF  
Cook, Sidney A. .... IQ  
Cottle, D. L. .... C  
Davidson, O. W. .... GO  
DeFalco, Ralph .... FN  
Gaum, C. G. .... KM  
Ginsburg, Joseph M. .... OC  
Greene, Richard D. .... CE  
Greenwood, W. R. .... NI  
Greze, John P., Jr. .... NCB  
Haenschel, C. M. .... G  
Hayes, A. O. .... E  
Headlee, Thomas J. .... F  
Heck, R. C. H. .... MB  
Holaday, Horace A. .... CN  
Hummel, K. P. .... FN

**New Brunswick,  
Cont'd.**

Jackson, Wilfrid J. .... B  
Jensen, H. .... CN  
Joffe, J. S. .... OCE  
Johnson, Helgi .... EF  
Johnson, Marion A. .... G  
Keilin, Harry .... C  
Keyser, C. J. .... A  
Klein, William .... N  
Leonard, Samuel L. .... FN  
McKee, Miss C. M. .... N  
Marsh, Robert P. .... FG  
Martin, W. H. .... GO  
Marvin, W. T. .... IHK  
Meder, A. E., Jr. .... AQK  
Menzel, A. E. O. .... NC  
Metzger, H. J. .... CNO  
Moore, Imogene .... FG  
Morrell, J. A. .... BCN  
Morris, Richard .... A  
Murray, T. J. .... N  
Nelson, Cyril A. .... A  
Parker, R. C. .... FN  
Pratt, Carroll C. .... I  
Pratt, Frank R. .... B  
Priepke, Rudolf J. .... C  
Prince, Arthur .... COG  
Reece, Ralph P. .... ONF  
Rissetto, Arthur J. .... C  
Roever, William E. .... G  
Rudolfs, Willem .... MC  
Ruigh, Wm L. .... CN  
Sanderson, Sidney .... I  
Sease, V. B. .... C  
Shackell, L. F. .... NP  
Shaffer, Morris F. .... N  
Shive, John W. .... G  
Small, Mrs. F. C. .... C  
Sprague, Howard B. .... OG  
Starkey, R. L. .... OGN  
Thomas, B. G. H. .... NC  
Tiedjens, V. A. .... GOC  
Timcoe, Miss Helen .... F  
Tupikova, Miss N. A. .... C  
Van Dyke, H. B. .... N  
Voorhees, Louis A. .... CFO  
Waksman, S. A. .... GOC  
Weiss, Harry B. .... FGL  
Wilkinson, A. S. .... E  
Winchester, G. .... BCA

**New Lisbon**

Chambers, F. S. .... MO

**North Plainfield**

Van Doren, Lloyd .... C

**Nutley**

Ewart, R. H. .... CMP  
Foster, R. H. K. .... NP  
Hart, E. J. .... CBG  
Morse, E. H. .... CM  
Zarrow, M. X. .... NP

**Ocean City**

Bramley, Arthur .... B  
Klauder, R. H. .... M  
Shelley, J. M. .... FGE

**Ocean Grove**

Miller, Miss Myrtle .... A

**Oradell**

Coca, Mrs. E. F. G. .... N  
Schmeidler, Robert .... C

**Orange**

Burns, Daniel F. .... CB  
Ferguson, R. H. .... NID  
Gore, John K. .... AKN  
Shackelford, B. E. .... B  
Stanger, J. V. .... C  
Worne, H. E. .... CN

**Palisade**

Brown, Grover C. .... MK  
Burton, Opitz, R. .... FGN  
Hoke, Miss C. M. .... CGF  
Jaffe, John .... KP  
Jaffe, William J. .... MAP  
Of, Charles .... M  
Pfeiffer, G. A. .... A  
Rautenstrauch, W. .... M

**Palisades Park**

Patton, C. W. .... CBN

**Passaic**

Carlisle, J. H. .... N  
Finkelman, M. .... NCH  
Grabbe, E. M. .... B  
Uehling, F. F. .... BCM

**Paterson**

Alteneder, Miss L. E. .... IO  
Bleye, G. A. .... MQ  
Gagg, R. F. .... MA  
Heines, N. J. .... BD  
Morton, James F. .... EFH  
Wilson, John K. .... LQ

**Pemberton**

Beckwith, C. S. .... F

**Pennington**

Lumpkin, R. C. .... IHK

**Penns Grove**

Carleton, Paul W. .... C  
Grageroff, I. .... CM  
Maurer, George .... CBI  
Rose, Mrs. G. B. .... CEF

**Perth Amboy**

Katz, Samuel S. .... NP CG

**Plainfield**

Barlow, DeW. D. .... ADM  
Bower, Mrs. E. C. .... NFC  
Brokaw, R. V. .... N  
Cummins, A. B. .... CMO  
Gavett, Weston .... MC  
Lacey, Harold T. .... C  
Langstroth, C. B. .... MCB  
Mesier, Miss E. T. .... CNP  
Moment, John J. .... N  
Moodey, Miss G. .... FG  
Orem, H. Philip .... CBM  
Prosser, E. A. .... CGM  
Smith, George A. .... QIF  
Townshend, Bailey BC

**Point Pleasant**

Chalkley, Lyman CBN

**Port Norris**

Stauber, Leslie A. .... F

**Princeton**

Adams, Edwin P. .... B  
Alexander, J. W. .... A  
Anson, M. L. .... NCF  
Bender, Harold H. .... L  
Black, Lindsay M. .... GO  
Bohnenblust, F. .... A  
Bray, Charles W. .... I  
Brigham, Carl C. .... IO  
Brown, W. H. .... N  
Brown, W. F., Jr. .... BAM  
Buddington, A. F. .... E  
Butler, Elmer G. .... F  
Caley, Earle R. .... C  
Cary, L. R. .... FG  
Chase, A. M., Jr. .... F  
Chinard, Gilbert .... L  
Church, Alonzo .... A

**Princeton, Cont'd.**

Clifford, Alfred H. .... A  
Conklin, Edwin G. .... F  
Dahlgren, Ulric .... FG  
Dorf, Erling .... EG  
Downsbrough, G. A. .... BAD  
Dugan, R. S. .... DBA  
Eisenhart, L. P. .... A  
Elveback, Miss M. L. .... ABQ  
Eyring, Henry .... C  
Fankhauser, G. .... F  
Field, Richard M. .... EF  
Flood, Merrill M. .... AK  
Furman, N. II. .... CBM  
Giese, Arthur C. .... FCG  
Gillespie, William A. .... A  
Glaser, R. W. .... FN  
Glasstone, Samuel .... CB  
Greene, A. M., Jr. .... M  
Greene, Harry S. N. .... N  
Harrop, George A. .... N  
Hart, Harry C. .... ABM  
Harvey, E. N. .... FGN  
Harvey, Ethel B. .... E  
Howell, B. F. .... E  
Jepsen, G. L. .... E  
Johnson, Frank II. .... FG  
Knight, J. Brooks EFQ  
Kunkel, I. O. .... G  
Kuntz, Moses .... CFG  
Ladenburg, Rudolf .... B  
Langfeld, H. S. .... I  
Lauffer, Max A. .... CN  
Lefschetz, S. .... A  
MacClintock, Paul .... E  
McClure, C. F. W. .... F  
MacDonald, W. E. .... ADB  
Magie, W. F. .... B  
Mayer, Walther .... A  
Menzies, Alan W. C. .... CB  
Miller, Altem S. .... MP  
Moody, A. M. G. .... MB  
Moody, Lewis F. .... MA  
Moore, Miss C. E. .... DB  
Morse, Marston .... A  
Nelson, John B. .... N  
Northrop, John H. .... C  
Notestein, Frank W. .... K  
Orcutt, Miss M. L. .... N  
Pearce, Louise .... NCB  
Pease, Robert N. .... CB  
Price, W. C. .... N  
Rankin, Walter M. .... GF  
Russell, H. N. .... DBA  
Scott, W. B. .... E  
Shenstone, A. G. .... B  
Shope, Richard E. .... N  
Shull, G. H. .... G  
Sitterly, B. W. .... D  
Smith, Donald P. .... C  
Smyth, Charles P. .... CB  
Smyth, H. D. .... B  
Snelgrove, A. K. .... E  
Stanley, W. M. .... CNG  
Stoll, Norman R. .... FN  
Taylor, Hugh S. .... CB  
TenBroeck, Carl .... FGN  
Thom, W. T., Jr. .... EKM  
Trager, William .... FN  
Tucker, A. W. .... A  
Veblen, Oswald .... A  
vonNeumann, J. .... ARK  
Wallis, Everett S. .... CN  
Wedderburn, J. H. M. .... A  
Wever, E. G. .... IN  
Wheeler, John A. .... BA  
White, Milton .... BCM  
White, Philip R. .... GCN  
Wigner, E. P. .... BCA  
Willis, C. H. .... M

- Rahway**  
 Addinall, C.R. ... CNB  
 Major, Randolph T. CB  
 Pittman, C.U. ... CBA  
 Rosin, Joseph ... C  
 Sampson, W.L. ... NC
- Red Bank**  
 Pitman, Earle C. ... CM  
 Southworth, G.C. ... B
- Ridgefield**  
 Morgan, W.E. ... CBG
- Ridgewood**  
 Affel, Herman A. ... M  
 Burling, Temple ... NTK  
 Mercer, F.N. ... ECD
- River Edge**  
 Whitehead, F.E. ... NCQ
- Riverton**  
 Gould, D.F. ... C  
 Hester, Jackson B. ... OC  
 Porter, Donald R. ... G
- Roselle**  
 Buc, H.E. ... C  
 Siegel, Alfred ... CBN
- Rumson**  
 Friis, H.T. ... M
- Rutherford**  
 Kannenberg, W.F. ... MBC  
 Shuman, A.C. ... CE  
 Smith, P.R. ... CMB
- Scotch Plains**  
 Pratt, Edmund A. ... BAM
- Secaucus**  
 Reznikoff, Leon ... NIH
- Short Hills**  
 Carver, Fred S. ... MP  
 Robinson, F.W. ... CN
- Skillman**  
 Wiederhold, Oscar CM
- Somerville**  
 Gaston, L.P. ... BKM  
 Smolak, George ... CBM
- South Amboy**  
 Owen, E. Robert ... BM
- S. Bound Brook**  
 Lombardo, J.B. ... CBA
- South Orange**  
 Cowen, Robert I. ... DMC  
 Curtis, Austen M. ... M  
 Hall, Mrs. Henry T. ... D  
 Havill, Clinton ... MB  
 Inch, Mrs. S.R. ... G  
 Looser, Lewis H. ... NIF  
 Miller, J.A. ... N  
 Neifeld, M.R. ... KIA  
 Pratt, Arthur H. ... M  
 Rauch, Louis M. ... AB  
 Stanwick, C.A. ... MBA  
 Tuttle, Frank ... EFG
- Stelton**  
 Boyden, A.A. ... F  
 Boyden, Mrs. M.G. ... F  
 Morris, M.L. ... NF
- Summit**  
 Backer, Leslie H. ... C  
 Bishop, Howard B. ... C  
 Day, W.S. ... B  
 Dodd, Miss D.M. ... BA  
 Dort, Robert G. ... CBE  
 Hardy, Charles S. ... Nd  
 Hartley, R.V.L. ... B  
 Hunt, Franklin L. ... B  
 Isermann, S. ... CKN  
 McCallie, J.M. ... I  
 MacIlvaine, F.S. ... MKP  
 MacNair, Walter A. ... B  
 Pfister, Karl ... C  
 Romer, Miss C.S. ... G  
 Snow, William B. ... MB  
 Thompson, Albert C. ...  
 Willard, F.W. ... CM  
 Wrightstone, J.W. ... QIK
- Teaneck**  
 Benson, F.R. ... CNI  
 Coles, C.H. ... GCF  
 Conway, W.J. ... CQ  
 Haggerty, Cecil ... C  
 Hope, Fred J. ... CPA  
 Kaplan, Philip ... CBM  
 Wait, Justin F. ... CMB
- Trenton**  
 Eikenberry, W.L. ... GO  
 Fischelis, K.P. ... CNPK  
 Focht, Louis ... MC  
 Forer, Robert ... N  
 Johannesson, S. ... M  
 Kummel, H.B. ... E
- Trenton, Cont'd.**  
 Lauterhahn, O. ... MAE  
 Poole, Miss G.E. ... IQ  
 Potter, Ellen C. ... KIN  
 Rex, Edgar G. ... GO  
 Robinson, Aaron ... NFC  
 Russell, J.E. ... F  
 Schmitt, J.B. ... F  
 Shaffer, E.L. ... NFC  
 Shoemaker, Mrs. L.M. ... O  
 Shoemaker, M.B. ... OGF  
 Troxel, S.M. ... CBO  
 von Stanley, E. ... NpCB
- Union**  
 Trickey, P.H. ... MAB
- Union City**  
 D'Acerno, P. ... NK  
 McCarthy, J.D. ... FGO  
 Pfaffhausen, A.C. ... M  
 Witzig, Mrs. F. ... FGH
- Upper Montclair**  
 Ballentine, Robert ... FC  
 Campbell, G.A. ... ABM  
 Chesnut, Roy W. ... MB  
 Davis, D.R. ... ABC  
 Finley, Chas. W. ... QFG  
 Hadley, C.E. ... F  
 McLachlan, R.W. ... CB  
 Merckel, F.G. ... M  
 Osborne, H.S. ... MBQ  
 Reed, Rufus D. ... CG  
 Schicks, G.C. ... NpCC  
 Silver, A.E. ... M  
 Turner, A.B. ... AD  
 Walther, Miss J.P. ... G  
 Wheeler, H.J. ... COE
- Ventnor**  
 Langfeld, C.M. ... ADM  
 Myers, Frank J. ... F
- Vincetown**  
 Foster, A. Alfred ... OG
- Vineland**  
 Doll, Edgar A. ... QIN  
 Greene, J.F. ... CMN  
 Johnstone, E.R. ... IKQ
- Washington**  
 Cheney, E.W. ... BC  
 Schlink, F.J. ... BM
- Weshawken**  
 Keuffel, Carl W. ... BM
- West Englewood**  
 Kennedy, W.D. ... MBE  
 Tradup, Albert ... MBQ
- Westfield**  
 Atkinson, R.W. ... MBA  
 Berastegui, H. ... M  
 Brophy, D.H. ... C  
 Carlisle, J.M. ... NPC  
 Drushel, J.A. ... GO  
 Fenton, W.M. ... CMN  
 Foster, Ronald M. ... A  
 Gray, A.W. ... BMN  
 Howland, C.F. ... N  
 Lowenheim, F.A. ... CM  
 Milligan, C.H. ... CO  
 Rossbacher, H.J. ... CB  
 Sosman, R.B. ... CBE  
 Walt, A. ... C
- West New York**  
 Oleri, Frank J. ... M
- West Orange**  
 Edison, T.M. ... BAC  
 Goulden, H. De W. ... CN  
 Hughes, Mrs. M.M.E. ...  
 Merriam, H.F. ... BCG  
 Speiden, Norman R. ... FN
- Whitesbog**  
 White, Miss E.C. ... OG
- Woodbine**  
 Botwinick, I.H. ... NOF  
 Rosen, Harry ... BAC
- Woodbridge**  
 Humphrey, T.Z. ... MCB  
 McLellan, Roy D. ... EDC
- Woodbury**  
 Francis, Alfred W. ... C  
 Horsch, W.G. ... CB
- Woodbury Heights**  
 Lancaster, F.R. ... GOF
- Woodcliff Lake**  
 Williams, Anna W. ... N
- Woodstown**  
 Calcott, W.S. ... C
- Wyckoff**  
 Ennis, William D. ... M

## NEW MEXICO

- Albuquerque**  
 Aberle, S.B.D. ... HNF  
 Bell, Willis H. ... G  
 Brand, Donald D. ... EH  
 Castetter, E.F. ... FGH  
 Clark, John D. ... C  
 Compton, L.V. ... FGL  
 DuBois, F.H. ... I  
 Gibson, LeRoy ... C  
 Goodding, Miss C.O. ... GFK  
 Goodding, L.N. ... GOO  
 Grove, Alvin ... GFO  
 Haught, B.F. ... I  
 Hill, W.W. ... H  
 Hume, W.II. ... MBA  
 Hutchings, T.B. ... CO  
 Kelley, Vincent C. ... EBC  
 Kiech, Veon C. ... CF  
 Knode, Jay C. ... QTD
- Albuquerque, Cont'd.**  
 Long, W.H. ... G  
 Moulton, Earl L. ... KNL  
 Newsum, C.V. ... ADB  
 Peterson, Geo. M. ... I  
 Pooler, Frank C.W. ... FG  
 Randles, Quincy ... EG  
 Reiche, Parry ... E  
 Scott, James R. ... NQE  
 Taylor, G.C. Jr. ... EBC  
 Theis, Chas. V. ... E  
 Turley, Jay ... MEK  
 Workman, E.J. ... B
- Artesia**  
 Horton, Nolan ... CPO
- Caprock**  
 Walter, Charles, Jr. ... E
- Carlsbad**  
 Burnett, R.M.P. ... HE
- Fort Wingate**  
 Blunn, Cecil T. ... FNO  
 Grandstaff, J.O. ... OCA
- Las Cruces**  
 Freudenthal, L.E. ... GO  
 Gerber, C.W. ... N  
 McBride, R.E. ... N  
 Robbins, D.S. ... BA
- Las Vegas**  
 Emerson, Fred W. ... GF  
 Kaser, Margaret ... NC  
 Muench, Oscar B. ... CBA  
 Rodgers, T.G. ... A
- Mesilla Park**  
 Artschwager, E. ... FG  
 Smith, Howard O. ... C
- Portales**  
 Fleck, Martin W. ... FGA  
 MacKay, Roy ... ABN
- Roswell**  
 Galloway, D.H. ... EFL  
 Goddard, R.H. ... B  
 Roubush, W.C. ... BAM  
 Smith, John E. ... B
- Santa Fe**  
 Chapman, K.M. ... HK  
 Fisher, Reginald G. ... H  
 Hay, J.L. ... MEA  
 Hewett, E.L. ... HQ

**Santa Fe, Cont'd.**

McDougall, W.B. ...G  
 Mekeel, H.S. ....HK  
 Mera, Harry P. ....HN  
 Nusbaum, Deric ..HEN  
 Nusbaum, Jesse L. .H  
 Reed, Erik K. ....HL  
 Stallings, W.S., Jr. HEG  
 Walter, Paul A.F. ...H

**Santa Rita**

Gleason, P.R. ...CME

**Silver City**

Harlan, John C. ...FGN  
 Jose, Paul D. ....DAB  
 Miller, W.B. ....G  
 Schmitt, Harrison .EM

**Socorro**

Needham, C.E. ...EMO  
 Talmage, S.B. ...EMO  
 Thompson, M.L. ....E

**State College**

Addington, L.H. .OFC  
 Anderson, M.G. ....F  
 Botkin, C.W. ....CE  
 Branson, J.W. ....ADB  
 Lantz, Miss E.M. .NFC  
 Shires, Luke B. ....CB  
 Stremman, G.N. ....GO  
 Watkins, W.E. ...CNO

**Taos**

Roberts, E.D.G. .GKO

**Tucumcari**

Karlsruher, C.D. .CPM

**Tyrone**

Moore, Alfred F. .DBE

**Ute Park**

Cook, M.A. ....M

**NEW YORK****Adams**

Bond, Austin D. ....FQ

**Addison**

Auringer, H.E. ....N

**Albany**

Adams, Charles C. .FK  
 Adams, W. Lloyd ...Np  
 Alexander, F. ...NpDL  
 Beik, A.K. ....IO  
 Boss, Benjamin ...D  
 Brown, Rachel ...NC  
 Cameron, D.E. ....NIK  
 Corning, Erastus NIH  
 Cox, Charles ....MNC  
 Coxe, W.W. ....OI  
 Craig, Wallace ....FI  
 Decker, Fred J. ...QIK  
 DePorte, J.V. ....KNA  
 Douglas, Miss G.E. .G  
 Frankel, E.T. ....APK  
 Gilbert, Ruth ...N  
 Glasgow, Robert D. .F  
 Glasgow, Mrs. R.D. AF  
 Goldring, W. ....EFG  
 Graves, F.P. ....O  
 Hale, Clarence F. ...B  
 Hendry, Miss J.L. NC  
 Himwich, Harold E. N  
 Huber, Wolfgang CNB  
 Kirkbride, Miss M.B. N  
 Knudson, Arthur .CN  
 Langmurr, A.D. ....NK  
 Lawrence, C.A. ....NC  
 Levin, M.L. ....N  
 Lindgren, G.S. ....B  
 McIntyre, H.L. ....GO  
 Maltaner, Frank ...N  
 Malzberg, B. ....KHI  
 Morris, E.H. ....IO  
 Morrison, J. Cayce .O  
 Muschel, Louis H. NCQ  
 Neuman, Leo Handel N  
 Newland, David H. .E  
 Ordway, Thomas ...N  
 Pangborn, M.C. .CNF  
 Pollock, H.M. ....KN  
 Power, C.E. ....BQA  
 Puetzer, Bruno ....CN  
 Raymond, H. ....D  
 Rice, Christine E. .N  
 Rooney, James F. ...N  
 Roy, Arthur J. ....D  
 Rudolf, Nathan ....NCI  
 Ruedemann, R. ....E  
 Rutstein, David D. .N  
 Schleifstein, J. ....N  
 Schwartz, F.W. ....C  
 Schwind, Joseph L. .FN  
 Silverman, Sidney .ON  
 Stoner, Dayton ....F  
 Thompson, W.R. .ACF  
 Vander Veer, E.A. ...N  
 Wadsworth, A.B. ...N  
 Welch, C. Stuart ...N

**Albany, Cont'd.**

Wheeler, Miss M.W. NFG  
 Whitney, Mrs. E.G. GE  
 Williams, W.J. ...MB  
 Winne, C.K., Jr. ....N  
 Wolfe, J.M. ....N  
 Wright, A.W. ....N  
 Zettler, W.I. ....L

**Alfred**

Amberg, C.R. ....MCE  
 Burdick, H.O. ....FN  
 Lund, Everett E. .FN  
 Polan, L.R. ....AB  
 Potter, C.M. ....BAM  
 Ross, F.W. ....EGD  
 Saunders, Paul C. .C  
 Scholes, Samuel K. CM  
 Seidlin, Joseph ...AQ  
 Watson, Lloyd R. .FC  
 Whitford, A.E. ...ABD

**Amagansett**

Bell, D.M. ....NC

**Amenia**

Ewing, Gifford C. .OF

**Amsterdam**

Semsroth, K.H. ....N

**Annadale**

Schleich, Hans ....CN

**Annadale-on-Hudson**

Fuller, Edward C. .CQ  
 Obreshkov, V. ....F  
 Sottery, C.T. ....CQ

**Aqueduct**

Gellot, E.A. ....L

**Ardley on Hudson**

Eddison, W. Barton .M  
 Sonntag, J.K. ....N  
 Waring, M. Le C. ...M

**Argyle**

Kern, Edward F. .MCB

**Astoria**

Hala, William W. ...N  
 Runge, Miss A.G. .QGf  
 Siegel, Charles ...Nd  
 Tauber, Henry ...CNF

**Attica**

Finger, Frank W. .IKG

**Auburn**

Cooke, Harte ....M

**Aurora**

Gaehr, Paul F. ....B  
 Hollcroft, Temple R. .A  
 Hyde, Elizabeth ....C  
 McMullen, Eleanor C. FGN  
 Young, Miss P.A. ....C

**Babylon**

Chitwood, B.G. ...FGO

**Bainbridge**

Bender, R.C. ....CN  
 Hanford, Zaida M. .C  
 Myers, W.S. ....C

**Baldwin**

Clo, J. Harry .....BM  
 Grove, C.C. ....AKQ  
 Stevens, R.A. ....CNO

**Barneveld**

Jackson, Ralph C. ...F

**Barrytown**

Chapman, Conrad ...L

**Batavia**

Bowen, Miss A.C. IQD  
 Johnson, W.D. ....N

**Bayport**

Grunwald, Kurt ...MO

**Bay Shore**

Evans, R.L. ....C  
 Lawrence, M.W. ....N

**Bayside**

Crozier, Miss A.J. FGO  
 Mackey, Miss A.D. QN

**Bay Terrace**

Metcalfe, Mrs. Zaida QIK

**Beacon**

Atwell, Harold V. CKO  
 Becker, Harry C. ....C  
 Goldsby, A.R. ....CBK  
 McIlwraith, C.G. ....B  
 Moreno, Jacob L. .IKN  
 Weaver, L.H.A. .IKM

**Bedford**

Marble, Miss Delia W. GO  
 Ogilvie, Ida Helen .EOF

**Bedford Hills**

Margulis, A.E. ....NA  
 Pinner, Max ....N  
 Trowbridge, E.K. .AEB

**Beechhurst**

Berger, Miss E.G. .AD  
 Berger, Miss N.M. .AE

**Belmont**

Willets, E.A. ....IQ

**Binghamton**

Dyer, Frank M. .KNL  
 Schmidt, Willy A. .CB  
 Wood, A.E. ....EFH

**Bloomfield**

Stragnell, Gregory .N

**Bluff Point**

St. John, Robert P. ...G

**Bowmansville**

MacArthur, C.G. ...CN

**Brentwood**

Brussel, James A. .NI

**Broadalbin**

Chalmers, Arthur A. .

**Brockport**

Cummings, M.C. ...KQ

**Bronx**

Darkenwald, G.G. .EKL

**Bronxville**

Atwater, R.M. ....N  
 Birdsall, A.G. ....M  
 Bryant, L.S. ....INQ  
 Byrnes, C.P. ....BCI  
 Clapp, F.G. ....EM  
 Elliot, A.H. ....MBC  
 Foot, N.C. ....N  
 Holliday, H. ....NDBC  
 Johnson, Martha .NCF  
 Kirby, Frank E. ....M  
 McLean, F.T. ....G  
 Osborn, Ralph ....FG  
 Schairer, Otto S. ....M  
 Smith, Miss L.D. ....N  
 Wheat, Frank M. ....F  
 Whitford, Harry N. GO

**Brookhaven**

Soper, George A. ....M

**Brooklyn**

Abrahamson, E.M. NCB  
 Adams, Theodore ....F  
 Altamura, Mario ....C  
 Ammerman, C.P. CGM  
 Andersen, A.G.H. MBC  
 Atlas, Meyer ....F  
 Austin, Frederick J. .C  
 Babbott, Frank L. .CN

## Brooklyn, Cont'd

Barclay, Margaret E. . . . . GFO  
 Beam, Miss Rachel . . . . . GO  
 Beard, L. C., Jr. . . . . CB  
 Beatty, Jacob S. . . . . NC  
 Bell, J. Carleton . . . . . IO  
 Benedict, Ralph C. . . . . FG  
 Berry, William J. . . . . AQ  
 Blake, Edwin M. . . . . AII  
 Blechman, Elias . . . . . ON  
 Boyer, Carl B. . . . . AL  
 Bridgman, R. P. . . . . OIK  
 Browning, W. . . . . NLI  
 Brunjes, Austin S. . . . . CM  
 Bullwinkel, J. T. . . . . M  
 Bunin, Joseph J. . . . . N  
 Burn, C. G. . . . . NF  
 Bushnell, Horace C. . . . . M  
 Caldwell, B. P. . . . . C  
 Cardwell, J. C. . . . . NpHF  
 Cheney, R. H. . . . . GNF  
 Chisles, Meyer . . . . . CMN  
 Claussen, E. . . . . CBD  
 Cleland, W. W. . . . . KI  
 Cohen, Lester . . . . . NC  
 Collens, W. S. . . . . N  
 Corlis, Edwin F. . . . . F  
 Currie, James N. . . . . C  
 Daffoe, Sister M. . . . . BO  
 Darrow, R. C. . . . . MKA  
 Davidoff, Leo M. . . . . N  
 De Silver, Mrs. M. . . . . C  
 Dessotnekoft, N. . . . . OIA  
 Douglass, George C. . . . . Nd  
 Douglas, Mrs. M. G. . . . . N  
 Dow, Miss B. McL. . . . . GF  
 Eggerth, Arnold H. . . . . NC  
 Ehrlich, D. E. . . . . N  
 Ekroth, C. V. . . . . CBO  
 Ellickson, Raymond B. . . . . B  
 Etelman, Harry I. . . . . C  
 Fairchild, C. O. . . . . BAM  
 Fangelmann, W. H. . . . . ABM  
 Farrell, Elliston . . . . . N  
 Fein, M. J. . . . . N  
 Felton, Joseph . . . . . CIE  
 Fetter, Dorothy . . . . . NpC  
 Fibel, Lewis R. . . . . C  
 Field, Crosby . . . . . M  
 Fink, Harold . . . . . N  
 Finlay, A. . . . . CNG  
 Fish, J. B. . . . . F  
 Fleisher, Edward . . . . . A  
 Friedman, J. S. . . . . CAB  
 Gager, C. Stuart . . . . . G  
 Gardner, W. H. . . . . C  
 Gaul, Albro Tilton . . . . . FG  
 Germann, G. B. . . . . O  
 Gilbert, Jeanne G. . . . . INH  
 Girden, Edward . . . . . I  
 Glusker, David . . . . . N  
 Goerner, Alfred . . . . . N  
 Goetsch, Arthur . . . . . NO  
 Goetsch, Emil . . . . . NK  
 Goldberg, Samuel D. . . . . C  
 Goldstein, Harry . . . . . IO  
 Goldstein, M. . . . . GFN  
 Goodrich, E. P. . . . . GO  
 Graves, Arthur H. . . . . GO  
 Grayzel, D. M. . . . . CFN  
 Greenberg, I. . . . . COB  
 Greene, Carl H. . . . . N  
 Greene, M. B. . . . . NMB  
 Greenfield, S. S. . . . . GFO  
 Greenspan, A. . . . . CBE  
 Gundersen, Alfred . . . . . GL  
 Gus, Charles E. . . . . MQB  
 Hagar, Stansbury . . . . . HD  
 Hamlen, T. W. . . . . Q  
 Harkin, D. C. . . . . A  
 Hartwell, Fred W. . . . . FG

## Brooklyn, Cont'd.

Hausmann, E. . . . . BMO  
 Hecht, I. S. . . . . OIK  
 Hiers, G. O. . . . . BCM  
 Higgins, Tracy . . . . . N  
 Hovgaard, W. . . . . MAE  
 Hughton, Arthur . . . . . Q  
 Hurd, Egbert S. . . . . C  
 Hutton, S. E. . . . . FG  
 Idelson, M. N. . . . . MQB  
 Inman, Charles G. . . . . NFG  
 Jacobi, Mendel . . . . . NFK  
 Jacobs, Morris B. . . . . COQ  
 Jacobson, A. C. . . . . N  
 Jaffe, D. L. . . . . MAB  
 James, William L. . . . . N  
 Jennings, A. S. . . . . PMB  
 Jewett, William A. . . . . N  
 Jordan, Stroud . . . . . C  
 Kane, J. H. . . . . C  
 Katzell, R. A. . . . . INO  
 Katzman, J. . . . . MBK  
 Kepke, John . . . . . LMH  
 Kirk, R. E. . . . . CMO  
 Kleeman, Irving . . . . . CNF  
 Koch, Adolph M. . . . . IQN  
 Koch, E. H., Jr. . . . . AIQ  
 Kolk, Miss L. A. . . . . G  
 Koster, Harry . . . . . N  
 Kramer, Benjamin . . . . . N  
 Larsen, Thorstein . . . . . B  
 Law, F. H. . . . . ODE  
 Lefkowitz, Mrs. C. M. . . . . M  
 Lenfest, B. A. . . . . MOI  
 Lesser, Milton . . . . . FGN  
 Lesser, Milton A. . . . . CN  
 Levi, Solomon . . . . . MAB  
 Lieber, Mrs. L. R. . . . . A  
 Liphshitz, I. N. . . . . MKB  
 Liva, Henry . . . . . BMC  
 Lloyd, Ralph . . . . . BN  
 Lockwood, C. W. . . . . BO  
 Lowan, A. N. . . . . AB  
 Mais, Walter H. . . . . C  
 Marion, Stephen P. . . . . Q  
 Mark, Herman . . . . . C  
 Mark, Jacob . . . . . M  
 Martin, Earl A. . . . . F  
 Masterson, Teresa . . . . . C  
 Meisel, Max . . . . . L  
 Merriman, Mabel L. . . . . G  
 Messer, H. M. . . . . FGN  
 Meyer, Martin . . . . . COB  
 Mock, F. C. . . . . MBQ  
 Monte-Bovi, A. J. . . . . CNpO  
 Morgan, T. C. . . . . MEN  
 Morra, Ernest . . . . . NpCG  
 Morrison, Nathan . . . . . AKI  
 Moser, William . . . . . N  
 Murray, R. T. K. . . . . B  
 Nagler, Harold . . . . . FG  
 Natelson, Samuel . . . . . C  
 Nehrbas, Anton . . . . . B  
 Nesmith, James, II . . . . . M  
 Nies, Miss A. W. . . . . CNE  
 Nitarady, F. W. . . . . CN  
 Ohly, J. H. . . . . NBD  
 Olesen, F. A. . . . . NQI  
 Oliver, Jean . . . . . N  
 Oliver, W. W. . . . . N  
 O'Neil, T. J. W. . . . . B  
 Othmer, D. E. . . . . CMF  
 Paoillo, C. H. . . . . CBN  
 Papa, Domenick . . . . . CMN  
 Parodneck, Mrs. C. B. . . . . N  
 Parsegian, V. L. . . . . BMN  
 Paynter, R. H. . . . . I  
 Pease, Miss D. . . . . G  
 Plotz, Milton . . . . . C  
 Powers, A. J. . . . . OC  
 Quam, G. N. . . . . C  
 Rakieten, M. L. . . . . NCG

## Brooklyn, Cont'd.

Rambo, J. C. . . . . C  
 Rand, C. L. . . . . BCD  
 Ray, G. B. . . . . NpC  
 Read, H. A. . . . . NpQC  
 Reed, G. M. . . . . G  
 Rejall, A. E. . . . . IO  
 Reynolds, S. R. M. . . . . N  
 Rider, L. A. . . . . OFG  
 Riedel, J. C. . . . . MQB  
 Robbert, F. W. . . . . K  
 Roehl, C. E. . . . . M  
 Rogeis, H. S. . . . . MQ  
 Rose, L. G. . . . . BDC  
 Rusk, H. M. . . . . G  
 Russell, G. P. . . . . CBQ  
 Ryan, T. J. . . . . DBE  
 Sabetta, Victor . . . . . CBP  
 Saidla, L. E. A. . . . . L  
 Salkind, Charles . . . . . OAI  
 Samorodin, A. J. . . . . FNI  
 Sands, I. J. . . . . NIK  
 Sattler, Louis . . . . . CBN  
 Schattner, Fred . . . . . CN  
 Schechter, Frank . . . . . FG  
 Schenberg, S. . . . . CBQ  
 Schlockow, Oswald . . . . . A  
 Schwartz, Emanuel . . . . . N  
 Sherman, J. V. . . . . KCB  
 Sherry, B. J. . . . . B  
 Shorr, Miss Rose . . . . . AIQ  
 Sigler, L. H. . . . . Q  
 Simons, Mrs. R. . . . . GH  
 Smith, G. B. L. . . . . C  
 Snell, C. A. . . . . CM  
 Snell, F. D. . . . . CM  
 Solomon, Charles . . . . . NQI  
 Staber, Miss M. J. . . . . Q  
 Steel, Matthew . . . . . CN  
 Steinhart, E. . . . . FOG  
 Steinholtz, S. . . . . NCK  
 Stern, A. W. . . . . B  
 Strahl, M. I. . . . . N  
 Svenson, H. K. . . . . G  
 Swahn, Harold . . . . . ECO  
 Sygoda, David . . . . . QFG  
 Tabor, Florence S. . . . . CNO  
 Temple, W. J. . . . . IB  
 Theroux, E. G. . . . . BM  
 Tobin, Elise . . . . . M  
 Towl, F. M. . . . . C  
 Tulgan, Joseph . . . . . N  
 Tulloch, G. S. . . . . FN  
 Tutthill, Miss D. P. . . . . GF  
 Uhlig, E. C. . . . . C  
 Utter, Miss E. . . . . FG  
 Utter, L. G. . . . . GO  
 Wachtel, I. J. . . . . FINp  
 Walcott, G. D. . . . . C  
 Waldron, J. L. . . . . MO  
 Waterman, W. C. . . . . K  
 Weathers, C. L. . . . . FG  
 Weber, Ernst . . . . . BMA  
 Weber, F. L. . . . . C  
 Weinberger, H. . . . . CN  
 Weinrich, M. F. . . . . BDM  
 Weinstein, Fred . . . . . F  
 Wells, Miss H. M. . . . . FGO  
 Whitmore, W. F. . . . . CBN  
 Whittlesey, W. N. . . . . G  
 Wiedman, G. . . . . ABC  
 Wiener, A. S. . . . . NFA  
 Williams, S. B. . . . . MBI  
 Wisch, Richard . . . . . NI  
 Wolfe, Jack . . . . . ABO  
 Wood, A. B. . . . . IOK  
 Wortis, Joseph . . . . . NIK  
 Wunderlich, F. W. . . . . BN  
 Zahnd, Hugo . . . . . CNB  
 Zuckerman, George . . . . . N

## Buffalo

Aaron, A. H. . . . . NF  
 Atwell, W. J. . . . . NF

## Buffalo, Cont'd.

Austin, T. S. . . . . F  
 Beck, G. M. . . . . NI  
 Bierbaum, C. H. . . . . MCB  
 Blaauw, E. E. . . . . N  
 Blackmer, J. L. . . . . DEG  
 Capen, S. P. . . . . MQ  
 Cartledge, G. H. . . . . C  
 Crowdie, J. H. . . . . CNO  
 Cutting, Fulton . . . . . MB  
 Dawsey, L. H. . . . . COM  
 Dolley, W. L., Jr. . . . . F  
 Edwards, J. G. . . . . N  
 Elliott, R. C. . . . . FGH  
 Eschelman, K. F. . . . . N  
 Freyer, E. B. . . . . C  
 Frisch, J. A. . . . . F  
 Gehman, H. M. . . . . A  
 Gemmill, Mrs. A. M. . . . . OCE  
 Gilmore, L. N. . . . . CNO  
 Griffith, R. J., Jr. . . . . NF  
 Hamlin, C. J. . . . . B  
 Hector, L. G. . . . . B  
 Hewitt, H. G. . . . . QC  
 Holl, F. J. . . . . F  
 Hooff, F. V. . . . . CNM  
 Hubbard, R. S. . . . . CNp  
 Hudson, Miss L. . . . . CNB  
 Hummel, L. E. . . . . NpC  
 Humphrey, R. R. . . . . NF  
 Jacobs, W. F. . . . . N  
 Kelly, Wm. . . . . M  
 Kietzien, S. W. . . . . CN  
 Koch, E. W. . . . . Np  
 Kolkmeier, E. J. . . . . B  
 Kumro, D. M. . . . . CO  
 Lang, H. B. . . . . N  
 Lester, O. P. . . . . IKQ  
 Levitt, Abel . . . . . N  
 Lockwood, J. E. . . . . NC  
 McGinnis, Miss E. . . . . QI  
 Meyers, C. H. . . . . C  
 Mohr, C. E. . . . . FG  
 Moore, E. J. . . . . B  
 Mundt, C. H. . . . . M  
 Ott, H. N. . . . . F  
 Podolin, Mathew . . . . . Nd  
 Pollard, J. D. . . . . C  
 Prentiss, S. S. . . . . CB  
 Rainey, C. C. . . . . CNE  
 Reeves, J. R. . . . . ECM  
 Richards, O. W. . . . . FNG  
 Richter, Julius . . . . . N  
 Schoen, Z. J. . . . . IN  
 Schwabe, E. L. . . . . NpC  
 Schwarzman, A. . . . . C  
 Scofield, C. F. . . . . I  
 Shadle, A. R. . . . . F  
 Sharp, E. A. . . . . N  
 Silverman, S. . . . . B  
 Simpson, B. T. . . . . NBC  
 Smith, C. F., Jr. . . . . CP  
 Stephensen, B. R. . . . . BNA  
 Strange, W. W. . . . . MNO  
 Tressler, W. L. . . . . F  
 Vail, C. A. . . . . COB  
 Vaughan, S. L. . . . . N  
 Volgenau, R. H. . . . . NpC  
 Wiedemann, H. M. . . . . ABC  
 Witebsky, Ernest . . . . . N  
 Youngburg, G. E. . . . . CNB

## Camillus

Skog, E. K. . . . . C

## Canajoharie

Watson, V. K. . . . . CNO

## Canandaigua

Kirkham, S. D. . . . .

- Canton**  
Priest, W.C. .... BLM
- Carmel**  
Donohoe, J.P. .... K  
Hansen, A.O. .... QHK
- Cazenovia**  
Chard, W.G. .... OKQ
- Chappaqua**  
Clum, H.H. .... G
- Clifton Springs**  
Eikner, W.C. .... N  
Karr, J.W. .... N  
Munford, Samuel .... NI  
Newland, P.V.D. .... N  
Taylor, A.S. .... N
- Clinton**  
Butcher, E.O. .... FN  
Cameron, G.H. .... B  
Carruth, W.M. .... A  
Dale, N.C. .... E  
Fitch, Mrs. A.L.M. .... AD  
Hess, W.N. .... F  
Patterson, B.C. .... A  
Patton, F.L. .... K  
Rogers, P.V. .... FN  
Saunders, A.P. .... C
- Cohocton**  
Stanton, W.D. .... M
- Cohoes**  
Scotland, M.B. .... FHQ
- Cold Spring Harbor**  
Bates, R.W. .... FNC  
Bergner, Miss A.D. .... FG  
Blakeslee, A.F. .... GI  
Brehme, Miss K.S. .... FG  
Burks, B.S. .... FIK  
Davenport, C.B. .... FHG  
Demerec, M. .... FG  
Kaufmann, B.P. .... FG  
Lahr, E.L. .... FQO  
MacDowell, Mrs. C.G. .... F
- Cold Water**  
Zobel, C.G.F. .... BM
- Cooperstown**  
Ayer, Darrell .... N  
Kydd, D.M. .... N  
McIver, M.A. .... N  
Mackenzie, G.M. .... N  
Sheriff, W.S. .... IQK
- Corning**  
Carder, Frederick .... CM  
Cole, Miss L.M. .... GF  
Gage, H.P. .... B  
Guyer, E.M. .... BCM  
Hodd, H.P. .... CM  
Hyde, J.F. .... C  
Lewis, E.J. .... B  
Littleton, J.T. .... B  
McLachlan, D., Jr. .... CBA
- Cornwall on the Hudson**  
Sullivan, E.C. .... CB  
Taylor, Wm. C. .... C
- Pagenstecher, Miss B.**  
Tryon, H.F. .... OGE
- Corona**  
Panuska, F.C. .... QM
- Cortland**  
Tunison, A.V. .... CFO
- Crestwood**  
Conroy, P.J. .... CNpO  
Pendray, G.E. .... DBM
- Crompond**  
Kalcik, V.V. .... FCB
- Croton on Hudson**  
Goldsborough, J.B. ....  
Snyder, O.C. .... N
- Crown Point**  
Henderson, R. .... AK
- Delmar**  
Albrecht, S. .... D  
Earp, J.R. .... NKO  
Thomson, W.M. .... N
- DeWitt**  
Henderson, C.W. .... ABM
- Douglaston**  
Gilbert, J.J. .... BM  
Lee, R.E. .... C
- Dryden**  
Stelle, Ruth S. .... N
- East Amherst**  
Langley, W.D. .... C
- East Aurora**  
Lyford, C.A. .... CEO  
Masters, C.L. .... AMK
- East Hampton**  
Helmuth, W.T., III .... FNG
- East Rochester**  
Baker, E.L. .... C
- East Williston**  
Cragwall, G.O. .... CBD
- Elba**  
Felix, E.L. .... G
- Elmhurst**  
Black, H.S. .... MBA  
Day, Miss C.E. .... FGO  
Hewins, Nellie P. .... FGO  
Marberg, C.M. .... C  
Perlmutter, Alfred .... F  
Starrs, B.A. .... CGB
- Elmira**  
Avery, Miss E.C. .... NC  
Lewis, R.T. .... CM  
Orbison, Agnes M. .... F  
Suffa, Mary C. .... A  
West, J.B. .... N  
Whittaker, E.L. .... N
- Elmsford**  
Kranz, F.W. .... MB
- Endicott**  
Briggs, G.B. .... MQ
- Farmingdale**  
Peters, C.A. .... CGO
- Far Rockaway**  
Howland, L.A. .... M  
Tendler, A.D. .... I
- Fishkill**  
Peters, I.L. .... K
- Floral Park**  
Arnold, H.C.F. .... NpCM  
Dawson, J.A. .... F  
Keegan, E.J. .... F  
Puorro, Michael .... FGI
- Flushing**  
Anastasi, Anne .... I  
Carns, S.S. .... A  
Cope, T.F. .... A  
Count, E.W. .... HF  
Fletcher, Harvey .... BIM  
Gilman, R.L.F. .... ABD  
Glancy, Miss E. .... F  
Hahn, C.W. .... FNO  
Harrington, G.T. .... QIG  
Hicks, Victor .... B  
Horn, A.E. .... C  
Huettner, A.F. .... F  
Hunter, Fenley .... EF  
Kirkpatrick, D.E. .... BCA  
Klapper, Paul .... Q  
Klein, E.N.E. .... CG  
Lancefield, D.E. .... F  
McNeill, Harry .... IKN  
Mann, Mary L. .... QF  
Mathewson, C.A. .... QF  
Meyer, A.E. .... CNI  
Oakes, M.E. .... FO  
O'Gorman, J.M. .... I  
Ruckes, Herbert .... FG  
Sabin, A.H. .... C  
Spragg, S.D.S. .... INK  
Swenson, H.N. .... BCD  
Thomas, J.S. .... NHK  
VonGrimm, A. .... FGO  
Weiss, Harry .... NGB  
Wolf, W.H. .... Q  
Young, C.B.F. .... CM  
Young, Kimball .... HIK
- Fordham**  
Schaefer, F.A. .... IK
- Forest Hills**  
Beazell, W.P. ....  
Gramet, C.A. .... NO  
Lacaille, C.W. .... FN  
LePage, C.B. .... M  
Lowell, A.M. .... NK  
MacNeal, V.J. .... NO  
Paltsits, V.H. .... HKL  
vanderMerwe, C.W. .... B
- Forest Hills West**  
Loop, Mrs. A.S. .... NQ
- Fredonia**  
Gladwin, F.E. .... GO  
Holaday, B.E. .... I  
Stanley, W.F. .... FQ
- Freeport**  
Evans, Miss C.L. .... H  
Evans, Mrs. G.S. .... H  
Evans, T.H. .... HN
- Fulton**  
Osborne, Miss M.E. .... F
- Garden City**  
Anderson, Miss C.E. .... GF  
Bergen, C. .... QBD  
Coffin, J.G. .... ABM  
David, J.A. .... BD  
Ellis, Lillian N. .... C  
Hayes, F.T. ....  
Mosher, Miss E. .... F
- Garrison**  
Beckwith, E.P. .... CM  
Cattell, J. McKean .... I  
Cattell, Mrs. J. McK. ....  
Fotopoulos, Miss M. .... Q
- Geneseo**  
Wadsworth, Mrs. W.A. ....
- Geneva**  
Bancroft, G.I.L. .... B  
Boswell, F.P. .... III  
Breed, R.S. .... GO  
Bryant, J.C. .... OEC  
Bullard, Ralph .... C  
Chapman, P.J. .... F  
Conn, H.J. .... OGF  
Daniel, D.M. .... FG  
Durfee, W.H. .... A  
Glasgow, Hugh .... F  
Gloyer, W.O. .... GOC  
Hamilton, J.M. .... GCO  
Hartzell, F.Z. .... FGC  
Haussmann, A.C. .... BAC  
Howe, G.H. .... GGO  
Lockett, J.D. .... OOK  
Munn, M.T. .... GO  
Nebel, B.R. .... GOF  
Oberle, G.D. .... OGF  
Odell, T.T. .... FG  
Parrott, P.J. .... OF  
Reinking, O.A. .... GO  
Schulz, E.R. .... OC  
Slate, George .... NGB  
Spengler, J.A. .... NCB  
Stewart, F.C. .... G  
Tuke, H.B. .... OG  
Wellington, E. .... OG  
Woodbridge, Miss M.E. .... OG
- Ghent**  
Reeds, C.A. .... E
- Glens Falls**  
Woodford, Miss I. .... QED
- Gloversville**  
Malone, James .... CBA
- Great Neck**  
Atterbury, Mrs. B. .... N  
Case, N.P. .... BMD  
Mayer, L.K. .... K  
Morris, W.C. .... M  
Morrison, C.E. .... MP  
Steiner, Mrs. E.R. .... FGC
- Greenport**  
Wood, R.H. .... MN
- Greenwood**  
Redmond, W.R. .... BDE
- Halesite**  
Hoopingarner, N.L. .... I
- Hamburg**  
Tornow, W.H. .... CNO
- Hamilton**  
Allen, J.S. .... DAB  
Bancroft, Mrs. E.C. .... GFN  
Berkey, D.K. .... BCN  
Chester, W.M. .... CF  
Langworthy, W.F. .... GF  
Myers, R.J. .... FG  
Roberts, R.C. .... C  
Rogers, H.W. .... CO  
Root, T.B. .... E  
Smith, R.B. .... C  
Wood, A.E. .... CQB  
Woodruff, J.G. .... E

**Hampton Bays**

Manchester, J.G. ....E

**Harrison**

Parsons, Elsie C. ....H

**Hartsdale**

Edwards, G.W. ....K

Engelhardt, G.P. ....F

**Hastings on Hudson**

Langmuir, A.C. ....C

Laufer, P.G. ....C

Sawyer, W.A. ....N

Schwarze, C.T. ....M

Wender, Louis ....N

Wiard, Miss E.M. EOF

Wilcoxon, Frank ..CG

**Hempstead**

Bosce, R.A. ....CN

Old, M.C. ....F

Schilling, Frank ....K

Zurett, Miss S. ....N

**Hornell**

Paaswell, George ABM

**Houghton**

Burnell, Miss D. ....CN

**Hudson**

Brown, L.S. ....E

**Hunter**

Rodier, D. ....NKII

**Huntington**

Banker, H.J. ....G

Horton, R.E. ....CIG

Martin, Newell ....E

Parry, Eleanor ....NHE

Sargent, Noel ....N

**Huntington Station**

Jamer, Miss T.M. ....FG

**Irvington**

Speranza, Mrs. G. ....

**Ithaca**

Agnew, R.P. ....A

Altmann, Margaret F

Anderson, A.L. ....E

Asdell, S.A. ....NOH

Babiy, P.P. ....F

Bailey, L.H. ....GO

Barnes, F.A. ....MQK

Barnes, L.R.L. ....BFN

Barron, J.H. ....OQE

Barrus, M.F. ....GO

Bentley, M. ....I

Berger, C.E. ....IHN

Betten, C. ....FQO

Blodgett, F.M. ....G

Bolton, F.L. ....M

Boothroyd, S.L. ....DB

Bradfield, R. ....OCG

Bradley, J.C. ....F

Brand, A.J. ....F

Brooks, J.S. ....G

Bruce, W.F. ....CNB

Bruckner, J.H. ....OF

Buckman, H.O. ....GO

Burkholder, W.H. ....C

Burnham, S.H. ....G

Burrell, A.B. ....GO

Busell, F.F. ....GO

Butt, F.H. ....F

Canon, Miss Helen K

Chapman, J.E. ....OQC

Chupp, Charles ....G

Clausen, R.T. ....G

Collins, D.L. ....F

**Ithaca, Cont'd.**

Collins, J.R. ....B

Cornell, W.R. ....MQ

Cottrell, C.L. ....BFG

Cottrell, L.F., Jr. ....KI

Curtis, O.F. ....CO

Curtis, Ralph ....O

Dallenbach, K.M. ....HI

Davis, A.C. ....MPO

Day, E.E. ....K

Decker, Phares ....G

Dietrich, Henry ....F

Dimock, A.W. ....GO

Dounce, A.L. ....CN

Dukes, H.H. ....N

Dutcher, J.D. ....CN

Dye, J.A. ....N

Eames, A.J. ....G

Ellenwood, F.O. ....BCM

Ellis, G.H. ....CO

Emerson, R.A. ....G

Evans, Jennette ....N

Fenton, Faith ....CO

Ferguson, Miss J. ....NO

Fernow, K.H. ....QI

Ferriss, E.N. ....QK

Fitzpatrick, H.M. ....G

Flexner, W.W. ....A

Fogelsanger, A. ....BAE

Ford, E.S. ....G

Frampton, V.L. ....BCG

Fraser, A.C. ....GF

Freeman, F.S. ....QI

Gage, S.H. ....F

Geer, W.C. ....BC

Georgia, F.R. ....CN

Gibbs, R.C. ....BM

Grantham, G.E. ....B

Graswald, Miss G.H. ....F

Guise, C.H. ....O

Gunsalus, I.C. ....OCN

Guterman, C.E.F. ....G

Guthrie, E.S. ....OQC

Hagan, W.A. ....NO

Hall, G.O. ....FO

Hamilton, W.J., Jr. ....FN

Hland, D.B. ....C

Hardenburg, E.V. ....GO

Harris, G.D. ....E

Hathaway, M.L. ....CN

Hauck, Hazel M. ....NC

Hayden, C.E. ....N

Heinicke, A.J. ....GO

Herrick, G.W. ....F

Heuser, G.F. ....OFQ

Hildebrand, E.M. ....GO

Hinman, Robert ....FHO

Hoard, J.L. ....CB

Hodson, A.Z. ....CFO

Hollister, S.C. ....M

Hopkins, G.S. ....F

Hosmer, R.S. ....KGO

Howe, H.E. ....B

Huggler, G.C. ....M

Hurwitz, W.A. ....ABM

Hutt, F.B. ....FO

James, W.T. ....IF

Johannsen, O.A. ....F

Johnson, P.G. ....QIC

Jordan, R.H. ....QEI

Kennard, E.H. ....B

Kimball, D.S. ....M

Kingsbury, B.F. ....N

Knaysi, Georges ....NCG

Kreiser, G.L. ....IFN

Krukowsky, V.N. ....C

Kruse, F.J. ....IO

Ladd, C.E. ....O

Lamoureux, W.F. ....FNO

Laubengayer, R.A. ....G

Lauman, G.N. ....OKL

Leland, E.W. ....O

Liddell, H.S. ....NI

**Ithaca, Cont'd.**

Livermore, J.R. ....OG

Loughridge, G.A. ....G

Love, H.H. ....GA

Lynch, James ....MC

McCay, C.M. ....CFN

MacDaniels, L.H. ....GO

Massey, L.M. ....M

Matheson, Robert ....FN

Maynard, L.A. ....OC

Mekeel, Amy G. ....F

Merriam, C.W. ....E

Merritt, Ernest ....B

Milks, H.J. ....NCF

Miller, E.A. ....A

Miller, Philip A. ....N

Mills, W.R. ....G

Moore, C.B. ....QI

Moore, N.S. ....N

Morrison, F.B. ....OC

Mottley, C.M.C. ....FG

Muenschner, W.C. ....G

Murdock, C.C. ....B

Murray, Elsie ....IHO

Murray, M.J. ....GF

Myers, C.H. ....GO

Needham, J.G. ....F

Nevin, C.M. ....E

Nevin, F.R. ....FGN

Newhall, A.G. ....GOF

Norris, L.C. ....NCO

Northup, C.S. ....LHD

Ogden, R.M. ....IO

Palmer, E.L. ....FGO

Palmer, K.V. ....E

Papez, J.W. ....FHI

Parker, K.G. ....GOF

Patton, Robert ....FCO

Personius, Catherine C

Petry, Loren C. ....G

Pfund, Miss M.C. ....COO

Phillips, E.F. ....F

Plakidas, A.G. ....GO

Rahn, Otto ....CGO

Raleigh, G.J. ....OGC

Randolph, L.F. ....G

Raney, E.C. ....F

Readio, P.A. ....F

Reddick, Donald ....G

Ries, Heinrich ....E

Rose, Flora ....K

Sanderson, D. ....HKO

Schoder, E.W. ....M

Senning, W.C. ....F

Serviss, G.H. ....O

Shafer, J.I., Jr. ....GO

Sharp, L.W. ....G

Sharp, P.F. ....C

Shaw, R.W. ....DBA

Sheldon, P.G. ....E

Sherman, J.M. ....NOF

Smiley, D.F. ....N

Smith, Ora ....OG

Smith, Ruby G. ....FGO

Smith, S.E. ....OF

Sperling, Miss G.A. ....NCF

Stainton, W.H. ....BM

Staker, E.V. ....COG

Stark, C.N. ....N

Stephan, F.F. ....KH

Stephenson, Hadley N

Stewart, R.M. ....QMO

Sumner, J.B. ....C

Taylor, C.A., Jr. ....GEO

Thompson, H.C. ....GO

Tinker, M.B. ....N

Trapido, Harold ....FG

Underwood, P.H. ....M

Van Alstine, E. ....OC

von Engel, O.D. ....E

Walker, Miss M. ....NGO

Wallihan, E.F. ....GO

**Ithaca, Cont'd**

Warnig, G.A. ....E

Welch, D.S. ....GOF

Weld, H.P. ....I

Whetzel, H.H. ....GL

Wiegand, K.McK. ....G

Wiggans, R.G. ....GFO

Willcox, W.F. ....K

Wilson, B.D. ....O

Winsor, A.L. ....IOF

Work, Paul ....OG

Worthen, E.L. ....O

Wright, A.H. ....F

Wylie, Margaret ....I

Young, B.P. ....FG

Young, C.V.P. ....HFO

Young, J.P. ....G

Zeissig, Alexander .N

**Jackson Heights**

Comstock, C.W. ....ABM

Michal, Miss B.V. ....FHN

Nadler, J.E. ....NF

**Jamaica**

Angrist, Alfred ....N

Eisman, Louis ....OG

Jordan, C.V. ....NFG

Kaletskey, Theodore Nd

Kuna, Martin ....I

Ludlum, C.A. ....EDB

McGuire, Miss Grace C

Schaffert, Roland BMC

**Jamaica Estates**

Schwarze, C.A. ....GN

**Jamestown**

Knudsen, O.M. ....CN

Tourtellotte, Dee ....C

Weedon, F.R. ....NCG

**Johnson City**

Bourque, J.E., Jr. ....FNH

**Katonah**

Armstrong, S.T. ....IN

Corlett, E.H. ....MEB

**Keene**

Alling, E.L. ....ABC

**Kenmore**

Amend, W.J. ....MCN

Fretz, R.M. ....F

Gladieux, R.J. ....ECG

Struve, O.I. ....COF

**Keuka Park**

Ellis, Miss H.R. ....G

Lougee, Miss F.M. ....C

Stump, N.F. ....QI

**Kew Gardens**

Cohen, J.G. ....QI

Thornley, R.F. ....MKB

Valentine, M.C. ....FGQ

Walker, Evelyn ....A

**Kings Park**

Priestman, Gordon .N

**Lake Placid**

Bancroft, Miss J.H. .N

**Lakeville**

Hilton, D.C. ....EMD

**Lake Waccabuc**

Camp, F.A. ....E

- Larchmont**  
Bucky, P.B. .... BM  
Golden, Ross ..... N  
Haskell, S.B. .... OG  
Hymans, Frederick .. M  
Mayer, R.B. .... KAN  
Nelson, R.S. .... CBM  
Ross, H.A. .... OK  
White, Lazarus ..... M
- Le Roy**  
Lapp, G.W. .... MBC
- Lewiston**  
Lacy, B.S. .... C
- Lindenhurst**  
Pierce, Fay N. .... CDI
- Little Neck**  
McKee, L.H. .... BMA  
Schultes, M.F. .... CMA
- Long Island City**  
Allan, William .. MBO  
Allen, Howard .. CMN  
Ashkenaz, D.M. .... NFI  
Berman, B. .... MAB  
Fischer, E.K. .... CBM  
Hawk, P.B. .... CN  
Jacobson, Miss L.E. .... BNO  
Killian, T.J. .... BMA  
Oser, B.L. .... CN  
Riedman, S.R. .... N  
Shillaber, C.P. .... CPB  
Soff, LeRoy D. .... CM  
Sootin, Harry .... QCB  
Tear, J.D. .... B
- Loudonville**  
Ingalls, M.S. .... N
- Lowville**  
Coddington, H.G. ....  
Pingert, F.P. .... C
- Maine**  
Bowers, C.G. .... GO
- Malverne**  
Ramsay, J.W. .... C
- Mamaroneck**  
Bohmert, Miss M.T. FG  
Cardarelli, E.J. .... C  
Dake, W.M., II. .... M  
Farrier, Clarence KBE  
Hunter, Jeremiah ... E  
Warren, A.K. .... MPB
- Manhasset**  
Burnham, A.M. .... FG  
Gentry, F.M. .... BCM  
Henline, H.H. .... MQ  
Johns, Carl O. .... C  
Lichtenberger, B. OMC  
Roberts, C.S. .... I  
Wahlert, H.E. .... AB  
Worley, L.G. .... PNG
- Maspeth**  
Chassin, Maurice .... N  
Pryzie, J.P. .... BAM  
Reiner-Deutsch, W. N
- Mechanicville**  
Neubauer, M.J. .... C
- Medina**  
Kennan, Mrs. G. ....  
O'Donnell, Miss L. .... CON
- Middleport**  
Dye, H.W. .... G
- Millbrook**  
Foster, K.W. .... F  
Kuser, John .... G
- Mill Neck**  
Loening, Grover .... M
- Mineola**  
Hewitt, Miss J.A.W. N
- Mohegan Lake**  
Appar, C.S., Jr. .... FNK  
Field, Wm. B.O. .... EFH
- Monroe**  
Crane, A.J. .... EDH
- Montrose**  
Hollingsworth, H.L. IO  
Thorndike, E.M. .... B
- Moravia**  
Wells, W.R. .... I
- Mount Kisco**  
Cole, R.I. .... N  
Slade, M.P. ....
- Mount McGregor**  
Medlar, E.M. .... N  
Thomson, K.J. .... N
- Mt. St. Vincent-on-Hudson**  
O'Brien, Sister C.M. .... AIL
- Mount Vernon**  
Feld, Jacob .... MAE  
Felsen, Joseph .... N  
Graff, F.W. .... G  
Hinehine, G.W. .... F  
Lerner, Eugene .... IKH  
Neuner, E.F. .... QAB  
Sherman, J.D., Jr. .... F  
Steurer, J.A. .... N  
Walker, M.L. .... N  
Wetzel, R.A. .... AB
- Napanoch**  
Harrington, M.A. NIK
- Neponsit**  
Greiff, Lotti J. .... CQB
- Newark**  
Baumgartner, E.A. .... N  
M-Canis, O.P. .... GNpQ  
Stuart, C.H. .... C
- Newark Valley**  
Chidester, F.E. .... F
- Newburgh**  
Aspinwall, John ... M  
Desmond, T.C. .... M
- New City**  
Haack, K.F.O. ....
- New Lebanon**  
Closs, J.O.N. .... CNB
- New Lebanon Center**  
Robert, D.R. .... N
- New Rochelle**  
Ayer, C.F. ....  
Bauman, Louis .... CN  
Courant, Richard .. AB
- New Rochelle, Cont'd.**  
Disbrow, C.A. .... M  
Loewe, W.S. .... N  
Montgomery, J.F. OGE  
Rice, Mother M.B. .... IO  
Rockig, M.D. .... FNH  
Shoop, John E. .... GPN  
Stevenson, H.N. .... N  
Wertheimer, Max .. JK
- New York**  
Abbott, T.J. .... N  
Abel, T.M. .... I  
Abrams, D.A. .... AM  
Abramson, H.A. .... N  
Acconci, T.F. .... GFO  
Achilles, E.M. .... IO  
Achilles, P.S. .... IKQ  
Achimstein, Asher AK  
Adair, F.E. .... NO  
Adams, J.F. .... FG  
Adams, Mrs. Thos. ...  
Adler, Leon N. .... C  
Africano, Alfred MBID  
Aginaky, B.W. .... HKI  
Agnew, Paul G. .... BM  
Ahearn, A.J. .... B  
Aldrich, Mrs. Richard ..  
Alexander, Carter .. Q  
Alexander, J. .... CMB  
Alexander, Max .... NB  
Allen, Joseph .... AKL  
Allen, R.M.C.D. .... C  
Ambrson, J.B., Jr. .... N  
Anderson, A.F. .... N  
Anderson, R.P. .... CM  
Andrew, S.L. .... K  
Sootin, Roy C. .... F  
Ansbacher, H.L. .... IHO  
Apfelbaum, P.M. .... CBN  
Applebaum, E. .... Nd  
Armstrong, Miss C.P. I  
Armstrong, D.B. .... NKI  
Armstrong, W.P. MBA  
Arnold, H.J. .... QED  
Arnold, J.W. .... MA  
Aronson, M.J. .... KHL  
Arny, H.V. .... CNp  
Ashbrook, D.S. .... C  
Ashe, Benjamin .... N  
Assmuth, Joseph .... F  
Atwater, C.G. .... OCI  
Austin, W.E. .... CI  
Avery, O.T. .... N  
Axel, Robert .... KIA  
Ayres, Ira H. .... CBM  
Ayres, Waldemar ... B  
Babcock, Harriet IHK  
Bacharach, George .. CB  
Bacon, Miss A.L. .... F  
Bacon, R.F. .... C  
Baehr, George .... N  
Baekeland, George .. E  
Baekeland, L.H. .... C  
Baer, Henry M. .... C  
Bagg, H.J. .... FNI  
Bagley, W.C. .... Q  
Bailey, C.V. .... N  
Bakenhus, R.E. .... M  
Baker, G.E. .... GF  
Baker, R.F. .... E  
Baker, R.A. .... C  
Bakhmeteff, B.A. .... M  
Bakwin, Harry .... HN  
Bakwin, R.M. .... HN  
Ball, Albert .... EM  
Ball, C.Olin .... CBG  
Ballard, C.W. .... GNp  
Bamberger, L.R. .... H  
Banet, Mrs. S.C. .... GFO  
Barach, A.L. .... N  
Barban, Charles CMN  
Barker, J.W. .... MQR  
Barker, S.B. .... N
- New York, Cont'd.**  
Barnhart, J.II. .... G  
Barr, Mrs. E., DeY. AQI  
Barrett, D.M. .... IO  
Barriett, Leland .... Nd  
Barrett, S.K. .... BM  
Barrows, F.E. .... C  
Barry, Frederick CLB  
Basky, George .. CBM  
Bartels, H.A. .... Nd  
Barth, L.G. .... F  
Bartlett, J.P. ....  
Barton, H.A. .... B  
Bashour, J.T. .... CN  
Basseches, J.L. .... CB  
Bateman, G.F. .... MQ  
Bates, B.L.M. ....  
Bauer, J.H. .... N  
Baumeister, T., Jr. MB  
Baylis, A.B. .... N  
Beans, I.T. .... C  
Beaver, J.J. .... C  
Beck, A.D. .... QB  
Becker, A.E. .... B  
Becker, J.A. .... B  
Becket, F.M. .... M  
Beebe, William .... FED  
Beers, N.R. .... ABM  
Behrens, O.K. .... CN  
Belcher, D.R. .... AK  
Belchetz, A. .... CMB  
Beller, W.C. .... BDM  
Benda, Miss R.F. GCO  
Bendove, R.A. .... NLI  
Benedict, Ruth .... II  
Benham, R.W. .... GN  
Bennett, Harry .... CB  
Benson, C.E. .... IO  
Benton, A.L. .... IO  
Berens, Conrad .. NRH  
Berg, B.N. .... N  
Berg, W.N. .... CFN  
Berger, C.A. .... FG  
Bergmann, Max .... C  
Berkeley, L.M. .... DAB  
Berkey, C.P. .... E  
Berman, Louis .... NIH  
Bernard, V.W. .... NCF  
Bernheim, A.R. .... N  
Bernstein, Felix AHN  
Bernstein, Saul .... NFG  
Beube, F.E. .... NdQ  
Bicak, J.F. .... N  
Bick, Edgar M. .... NI  
Biddle, R.L. .... FFG  
Bierman, William .. N  
Bigelow, M.A. .... FGO  
Bilchick, E.B. .... N  
Biloon, Sol. .... N  
Binder, R.M. .... K  
Binger, Carl A.L. .... N  
Binger, W.D. .... M  
Bingham, N.E. .... Q  
Bingham, W.V. .... I  
Bird, Junius .... H  
Bisch, Louis E. .... IN  
Bishop, I.F., Sr. NHK  
Bishop, L.F., Jr. .... NO  
Bittson, A. John .... MK  
Blackwelder, R.E. .... F  
Blackwell, O.B. .... MB  
Blair, J.E. .... N  
Blair, W. Reid .... F  
Blanchard, K.C. .... CN  
Blatherwick, N.R. CN  
Bliss, C.N. .... K  
Blodgett, Miss G. .... C  
Blondel, Miss D.M. ....  
Bluhm, Solomon .... FGE  
Blum, Theodor .... Nd  
Blumenthal, Hugo ...  
Blumenthal, Sidney ..  
Boardman, Bradford ..

New York, Cont'd.	New York, Cont'd.	New York, Cont'd.	New York, Cont'd.
Bodansky, Aaron . . . NC	Campbell, C.G. . . . HFK	Cowles, E.S. . . . . NI	Dunn, H.E. . . . . P
Bodansky, Oscar . . . NC	Campbell, D.G. . . . NHI	Cox, Ben.T. . . . . EM	Dunn, H.K. . . . . BD
Bode, Hendrik . . . AMB	Campbell, H.L. . . . . C	Cox, R.T. . . . . B	Dunn, L.C. . . . . F
Bodecker, C.F. . . . Ndf	Campsen, H.M., Jr. . . CB	Coykendall, F. . . . QM	Dunning, J.R. . . . BM
Bogert, M.T. . . . . C	Cannan, R.K. . . . . CN	Craig, G.S. . . . . O	Dunning, W.B. . . . N
Boggs, Mrs. E.E. . . BMC	Capecelatro, Ettore . NC	Craig, Miss H.M. . . L	Dunning, W.F. . . FGN
Bohlun, H.G. . . . . ME	Carey, C.L. . . . . G	Craig, L.C. . . . . C	Dunscombe, G.E. . . HKJ
Bold, H.C. . . . . G	Cathart, Miss G.M. . E	Cramer, Mrs. C. . . CNB	Durlach, Mrs. T.M. . . HKI
Bolling, Diana . . . CDF	Caip, Louis . . . . . N	Crampton, C.W. . . . N	
Bolton, R.P. . . . . M	Carpenter, Arthur . EBG	Crampton, H.E. . . . F	Duryee, W.R. . . . . F
Bond, H.J. . . . . IK	Carpenter, C.D. . . CBA	Craver, H.W. . . . MLC	Dushman, Sidney . CGI
Bookman, Arthur . . . N	Carr, M.W. . . . . Nd	Crawford, M.P. . . . I	duVigneaud, V. . . . NC
Bookman, Samuel . . CN	Carrel, Alexis . . . . N	Crew, W.H. . . . . B	Eddy, W.H. . . . . CFN
Bovarnick, Max . . . . NC	Carson, Louis . . . . MBC	Cross, O.M. . . . . GOC	Eder, Phanor J. . . . .
Bowers, R.W. . . . . MBI	Casals-Ariet, J. . . . N	Crowell, F.S. . . . MAB	Edie, Lionel D. . . . . KN
Bowling, R. . . . . F	Casamajor, Louis . . N	Croxton, F.E. . . . KO	Edwards, D.J. . . . . FN
Bowman, K.M. . . . . NFO	Case, T.W. . . . . BM	Crum, H.E. . . . . EM	Eggleson, Cary . . . . N
Boyd, Mark F. . . . . N	Cattell, McKean . . . Np	Crystal, F.M. . . . . CM	Ehrlich, J.M. . . . . CNF
Brabec, L.B. . . . . CNF	Cecil, R.L. . . . . N	Curran, C.H. . . . . F	Ehrlich, J.C. . . . . N
Braham, J.M. . . . . C	Celestine, Brother . . FG	Cuiran, F.J. . . . . NQ	Eimer, August . . . . CM
Bramwell, G.W. . . . M	Cerecedo, L.R. . . . . N	Currence, J.D. . . . .	Eimer, W.R. . . . . C
Brand, Erwin . . . . CN	Chace, R.R. . . . . N	Curtin, Leo P. . . . CBE	Einhorn, Max . . . . . N
Brandes, W.W. . . . . N	Chaikelis, A.S. . . . NCG	Curtis, M.R. . . . . FN	Eisele, Ernest . . . . .
Bratley, C.O. . . . . GC	Chamberlain, J.P. . . K	Cutler, C.W. . . . . N	Eisenman, William . CN
Brattain, W.H. . . . . B	Chamberlain, F.M. . .	Daly, J.A. . . . . IQ	Eising, E.H. . . . . NB
Breder, C.M., Jr. . . . F	Chambers, Robert . . F	Danforth, D.N. . . . N	Elderfield, R.C. . . CNP
Brennan, R.E. . . . . NL	Chambers, W.H. . . . N	Daniel, A.S. . . . . N	Eldred, B.E. . . . . B
Breuner, E.C. . . . . N	Chamelin, Isidor . . CNF	Daniels, G.E. . . . NIH	Eltman, H.O. . . . . EF
Brescia, Frank . . . . CB	Chandler, J.P. . . . CN	Darby, H.H. . . . . FNB	Elliot, A.W. . . . . AOI
Brickner, R.M. . . . . N	Chapman, G.H. . . . N	Darlington, C.G. . . N	Elliot, Louis . . . . .
Biggs, T.H. . . . . O	Charga, Erwin . . . . NC	Darlington, Henry . . N	Elliot, S.J. . . . . MBP
Brill, A.A. . . . . NHI	Chargin, Louis . . . . N	Darlington, T. . . . KNM	Ellwood, W.B. . . . . BM
Bristol, L.D. . . . . N	Charipper, H.A. . . . FN	Darrach, William . . N	Elmer, C.W. . . . . D
Briwa, K.E. . . . . C	Chase, H.W. . . . . I	Darrow, Karl K. . . . BCD	Elsberg, C.A. . . . . N
Broadhurst, Jean . . GN	Chase, M.W. . . . . NF	Darrow, W.E. . . . . MAK	Elser, W.J. . . . . NO
Brockbank, T.W. . . . IN	Chessin, Alex. . . . . A	Davis, C.E. . . . . MBC	Elwell, L.H. . . . . FC
Brodie, S.S. . . . . CNA	Chester, Thomas . . MBP	Davis, Miss A.E. . . BCQ	Elwyn, Adolph . . . NFI
Brodnan, Henry . . . . N	Chickering, H.T. . . N	Davis, Bergen . . . . . B	Emerson, Haven . . . NK
Brody, Henry . . . . . N	Cinberg, B.L. . . . . N	Davis, H.M. . . . .	Emerson, K., Jr. . . . NC
Brown, Aaron . . . . . N	Cinelli, A.A. . . . . N	Davis, J.S., Jr. . . . . N	Emmons, Mrs. A.B. . .
Brown, Barnum . . . EFH	Clark, Ada R. . . . . NFG	Davis, M.M. . . . . NK	English, W.J. . . . . AIO
Brown, Callaway . . CB	Clark, C.C. . . . . BQM	Davis, Phillip . . . . HBF	Enners, G.W. . . . . CNE
Brown, F.B. . . . . CBA	Clark, E. Mabel . . . O	Davis, Putnam . . . .	Ephron, H.S. . . . . KIH
Brown, J.I.C. . . . . IKO	Clark, H.F. . . . .	Davis, T.W. . . . . CB	Epstein, Edward . . . K
Brown, Miss K. . . . FGO	Clark, H.M. . . . . NF	Davissom, C.J. . . . B	Epstein, A.A. . . . . N
Brown, T.F. . . . . CM	Clarke, B.L. . . . . CB	Dawson, M.H. . . . . N	Epstein, N.I. . . . . NC
Browne, W.W. . . . . N	Clarke, H.T. . . . . CN	Deating, A.W. . . . . C	Espenschied, Lloyd . M
Bruce, G.M. . . . . N	Claude, Albert . . . . N	deBodo, R.C. . . . . CNp	Etkin, William . . . . F
Bruger, Maurice . . . NC	Cleveland, Newcomb .	deCruz, J.M. . . . . NAB	Evans, L.J. . . . .
Brunner, H.M. . . . . O	Cleaves, C.W. . . . . FNB	Deller, A.W. . . . . CME	Eyenden, E.S. . . . . OIK
Bryan, M.deG. . . . . O	Coates, C.W. . . . . E	Demarest, C.S. . . . BKL	Failla, G. . . . . BCN
Bryans, Wm. . . . . MO	Cobb, Miss M.C. . . . E	Denker, P.G. . . . . NI	Fairchild, H.P. . . . KH
Bryson, Lyman . . . KHO	Cocheu, L.F. . . . . QN	Denno, W.J. . . . . NC	Fales, H.A. . . . . CBA
Bryson, Vernon . . . . F	Cohen, M.R. . . . . L	deSmitt, V.P. . . . . EBD	Falk, Mrs. K.G. . . . NC
Buchanan, B.F. . . . . C	Colin, Alfred . . . . . N	Detwiler, J.G. . . . . C	Falk, K.G. . . . . CNB
Buck, A.M. . . . . M	Cohn, A.E. . . . . N	Deyoe, H.L. . . . . M	Falk, M.S. . . . . M
Buck, H.W. . . . . M	Cohoe, W.P. . . . . C	Dickerman, W.C. . . . M	Farinacci, N.T. . . . CBG
Buckley, O.E. . . . . B	Colbert, E.H. . . . . EFH	Diethelm, Oskar . . . I	Farley, Franklin . . . CM
Buckstein, Jacob . . . N	Cole, Kenneth S. . . . BFC	Dinwiddie, Courtney .	Farmer, F.M. . . . . BM
Bull, Titus . . . . . N	Coles, R.R. . . . . D	Dodge, B.O. . . . . GNO	Farquhar, D.W. . . . F
Bullock, W.E. . . . . M	Collins, Miss B.M. . . E	Dodge, C.E. . . . .	Farrere, Miss H.S. . .
Bullowa, J.G.M. . . . N	Collins, M.L. . . . . Nd	Dodge, M.H. . . . .	Farwell, H.W. . . . . B
Bunzel, H.H. . . . . G	Collins, R.K. . . . . N	Doherty, H.L. . . . . M	Faxon, Richard . . . . F
Burgess, Louis . . . . ABC	Collyer, Norman . . . MQ	Dooley, Parker . . . . NQI	Fay, A.H., Jr. . . . . MPO
Burk, Dean . . . . . CNO	Colze, W.L. . . . . NC	Dotti, Louis . . . . . NC	Federer, C.A., Jr. . . DBA
Burke, A.W. . . . . N	Connery, J.E. . . . . N	Doubilet, Henry . . . . N	Feinberg, Benj.G. . . . C
Burke, S.P. . . . . CBA	Cook, H.H. . . . . KLM	Dow, Allan W. . . . . CM	Feldman, Aaron . . . . NC
Burns, R.M. . . . . C	Cooke, R.A. . . . . NG	Dowling, R.E. . . . .	Ferguson, J.G. . . . . BMO
Burr, E.T. . . . . INK	Cooley, J.P. . . . . B	Downes, Miss H.R. . . CM	Ferguson, W.F.C. . . . B
Burritt, C.A. . . . . N	Coonradt, A.C. . . . M	Downs, C.R. . . . . C	Ferraro, Armando . .
Burrow, Trigan . . . . NI	Cooper, Miss Anita . . N	Downs, W.G., Jr. . . . NF	Finck, J.L. . . . . BCA
Burstein, C.L. . . . . N	Cooper, Miss L.F. . . NCO	Draper, A.A. . . . . NHC	Fineman, Mrs. A. . . . FG
Burton, E.T. . . . . BMA	Cooper-Ellis, K.M. . IO	Dublin, L.I. . . . . K	Fink, C.G. . . . . CB
Cahill, G.F. . . . . N	Cope, Otis M. . . . . N	duBois, Cora . . . . . HI	Fink, Ira . . . . . NBC
Cahn, Lester R. . . . Nd	Copenhaver, W.M. . . F	duBois, Phoebe L. . . NG	Fish, Stuyvesant . . .
Caioia, Fred . . . . . MBI	Corcoran, C.A. . . . B	Duce, J.T. . . . . E	Fishberg, Ella H. . . NCF
Calderone, F.A. . . . . N	Coren, Bertram . . . MBA	Dudley, H.W. . . . . M	Fisher, C. . . . . DGF
Caldwell, Miss M.L. . . C	Corning, H.K. . . . . N	Dugan, J.H. . . . . OGE	Fisher, Sterling . . . . O
Caldwell, W.E. . . . . N	Corscaden, J.A. . . . . N	Dunbar, Flanders . . . NIK	Fitch, F.L. . . . . BFE
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 Fobes, J.H. . . . . N  
 Foley, J.P., Jr. . . . IHF  
 Fondiller, William . . M  
 Forbes, G.S. . . . . F  
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 Fordung, W.J. . . . NGC  
 Foregger, Richard . . C  
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 Foxe, A.N. . . . . NIH  
 Foy, J.R. . . . . CNO  
 Francis, T. Jr. . . . . NO  
 Frank, L.K. . . . . KI  
 Frank, R.T. . . . . NCF  
 Frederick, H.A. . . . M  
 Freiberg, A.D. . . . IK  
 Fremont-Smith, F. . . N  
 Friedman, Alexander C  
 Friedman, E.M. . . . KFC  
 Friedman, E.D. . . . . N  
 Friedman, H.G. . . . .  
 Friend, W.F. . . . . MIO  
 Fries, E.F.B. . . . . FNG  
 Fries, H.H. . . . . CK  
 Frissell, L.F. . . . . N  
 Fry, T.C. . . . . ABD  
 Fryer, Douglas . . . . IOH  
 Furia, J. . . . . MKO  
 Furth, Jacob . . . . . N  
 Gahagan, Lawrence NI  
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 Gettinger, R. . . . . NQC  
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 Gill, B.P. . . . . A  
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 Ginsburg, Jekuthiel A.  
 Ginsburg, S.W. . . . . NI  
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 Goldan, S.O. . . . . N  
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 Goodner, Kenneth . . . N  
 Gordon, H.H. . . . . N  
 Gotesky, Rubin . . . . K
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 Graef, Irving . . . . . N  
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 Granath, L.P. . . . . B  
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 Grauer, Frank . . . . N  
 Gray, Frank . . . . . B  
 Gray, Miss M.G. . . . AB  
 Green, Henry . . . . . BC  
 Greenacre, Phyllis . . N  
 Greenburg, Ethel . . . FGN  
 Greenburg, Leonard . N  
 Greene, J.S. . . . . NI  
 Greenhall, A.M. . . . FEQ  
 Greenlee, Ralph . . . N  
 Greenwald, Isidor . . NC  
 Gregersen, M.I. . . . N  
 Gregory, L.H. . . . . F  
 Gregory, W.K. . . . . FH  
 Gross, Moritz . . . . . N  
 Gross, A.V. . . . . CB  
 Grossman, Mrs. C.M. . .  
 Grossman, E.B. . . . . NC  
 Grosvenor, Wm. M. . .  
 Grove, B.H. . . . . EFH  
 Gruber, R.E. . . . . CNG  
 Gruenberg, B.C. . . . OFI  
 Grundfest, Harry . . . NFB  
 Guanella, F.M. . . . . I  
 Gudernatsch, F. . . . NCF  
 Gudger, E.W. . . . . F  
 Guggenheim, W. . . . M  
 Gulon, C.M. . . . . NCD  
 Gunn, S.M. . . . . N  
 Curley, Miss C.R. . . . NFI  
 Gutman, A.B. . . . . NFC  
 Habib, Nathan . . . . KO  
 Hackett, L.W. . . . . NFK  
 Hagan, H.R. . . . . FG  
 Haig, Charles . . . . . NFG  
 Hall, Miss H.P. . . . . NC  
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 Hallock, F.A. . . . . GN  
 Halsey, H.R. . . . . F  
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 Halton, Mary . . . . . N  
 Hamilton, E.P. . . . . M  
 Hamlin, M.L. . . . . CMP  
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 Hardy, Le G.H. . . . . NBM  
 Hare, Mrs. Meredith H  
 Hare, William . . . .  
 Harms, Ernst . . . . KPL  
 Harnly, M.H. . . . . F  
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 Harris, M.M. . . . . NCH  
 Harrison, H.E. . . . . NC  
 Harrison, S.M. . . . . K  
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 Hart, Fanchon . . . . . NGO  
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 Hartmann, W. . . . . CDE  
 Hartshorne, Isaac . . N  
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 Harwell, J.G. . . . . CB  
 Hass, George . . . . . N  
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 Hastings, G.T. . . . . G  
 Fatcher, R.A. . . . . Np  
 Hauer, Emanuel . . . . HFG  
 Hawkes, Forbes . . . . N  
 Hawthorne, W.J. . . . BCA  
 Hay, C.L. . . . . H  
 Hayes, M.H.S. . . . . IKP  
 Hayner, L.J. . . . . B
- New York, Cont'd.**  
 Haynes, W.P. . . . . E  
 Hazen, Miss E.L. . . . N  
 Hazen, M.S. . . . . O  
 Hazen, T.E. . . . . G  
 Hecht, Selig . . . . . FN  
 Heckman, S.B. . . . . IO  
 Hehre, F.W. . . . . MBO  
 Heidelberger, M. . . . CN  
 Heiman, Jacob . . . . N  
 Heineman, S.D. . . . . C  
 Heising, R.A. . . . . BM  
 Held, I.W. . . . . N  
 Helff, O.M. . . . . F  
 Hellinger, Joshua . . . KL  
 Hellman, Milo . . . . HND  
 Hellmann, Fred . . . . MAB  
 Hemley, Samuel . . . . H  
 Hendel, J.M. . . . . C  
 Henderson, H.P. . . . M  
 Henry, E.R. . . . . IQC  
 Hepburn, Ann . . . . . B  
 Herbst, R.M. . . . . C  
 Hermann, Seymour . . C  
 Herrick, J.C. . . . . N  
 Herrick, W.W. . . . . N  
 Herriott, Mrs. A.L. . . FGH  
 Herrman, Charles . . . N  
 Herrmann, D.B. . . . . CB  
 Herskowitz, A. . . . . G  
 Herzog, George . . . . HL  
 Herzog, Samuel A. . . . E  
 Hewitt, E.R. . . . . CFN  
 Heyd, Chas. G. . . . . N  
 Heye, G.G. . . . . H  
 Hiatt, E.P. . . . . NF  
 Higginson, Mrs. J.J. . .  
 Hilberer, Norman . . . B  
 Hildreth, Gertrude . . QI  
 Hillegas, A.B. . . . . G  
 Hiller, Alma . . . . . CNQ  
 Hinchman, Miss A. . .  
 Hinck, C.F., Jr. . . . . CNF  
 Hingsburg, Miss O.H. .  
 Hinkle, B.M. . . . . IN  
 Hinsey, J.C. . . . . N  
 Hirsch, Miss D.T. . . . NFG  
 Hoagland, C.L. . . . . N  
 Hobby, G.L. . . . . N  
 Hodgdon, D.R. . . . . C  
 Hoffman, S.V. . . . . ADM  
 Hogan, J.V.L. . . . . BMO  
 Holbrook, Percy . . . . M  
 Holden, Frances . . . . I  
 Holden, Margaret . . . N  
 Holland, Maurice . . . . M  
 Hollander, F. . . . . BCN  
 Hollister, Miss G. . . . FE  
 Honaman, R.K. . . . . MPK  
 Hoover, H.C. . . . . KMP  
 Hopkins, Hoyt S. . . . FNI  
 Hopkinson, R. . . . . CMP  
 Hoppock, Robert . . . . IQK  
 Horkheimer, Max . . . . KIH  
 Horn, C.W. . . . . MB  
 Horwitz, Wm.A. . . . . N  
 Houghton, D. . . . . CNO  
 Howland, Ruth B. . . . F  
 Howson, Hubert . . . . M  
 Hubbard, Bela . . . . . E  
 Huber, Miss Olive . . . N  
 Hudack, S.S. . . . . N  
 Humphreys, F.E. . . . . ABC  
 Huntington, A.M. . . .  
 Huppert, Wm. . . . . BCM  
 Hurlin, R.G. . . . . K  
 Hussakof, Louis . . . . F  
 Huston, Henry A. . . . CO  
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 Iles, George . . . . . HKM  
 Illich, Louis L. . . . .  
 Ingalls, A.G. . . . . DHE
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 Ingersoll, H.L. . . . . B  
 Isaacs, M.L. . . . . N  
 Jablons, Benjamin . . . NC  
 Jackson, E.A. . . . . N  
 Jackson, Percy . . . . . II  
 Jackson, Sidney . . . . FNH  
 Jackson, T.A. . . . . K  
 Jacobs, W.A. . . . . C  
 Jacobus, D.S. . . . . M  
 Jacoby, G.W. . . . . N  
 Jacoby, J.R. . . . . NI  
 Jacobziner, H. . . . . NIK  
 Jaffe, H.L. . . . . N  
 Janko, Nehemiah . . . . NIK  
 Janney, J.H. Jr. . . . . NF  
 Jastrow, Joseph . . . . IHQ  
 Javett, C.T. . . . . NCH  
 Jeffries, F.M. . . . . N  
 Jellinek, E.M. . . . . K  
 Jenkins, Thos. N. . . . . I  
 Jersild, A.T. . . . . I  
 Jette, Eric R. . . . . CBA  
 Jewett, F.B. . . . . M  
 Jobling, J.W. . . . . N  
 Joffe, S.A. . . . . ADK  
 Johann, N.E. . . . . C  
 Johnson, A.LeR. . . . . NQH  
 Johnson, A.L.P. . . . . MEB  
 Johnson, C.C. . . . . GFO  
 Johnson, D.W. . . . . E  
 Johnson, H.H. . . . . FG  
 Johnson, J.B. . . . . B  
 Johnson, Myral . . . .  
 Johnston, Helen . . . . CB  
 Jolliffe, C.B. . . . . MB  
 Jolliffe, Norman . . . . N  
 Jones, Mark M. . . . . K  
 Jones, M.F. . . . . N  
 Jones, R.L. . . . . BMK  
 Jordan, Robert . . . . . NK  
 Josephson, E.M. . . . . NIB  
 Jud, F.C. . . . . GFE  
 Jungeblut, C.W. . . . . N  
 Kabat, E.A. . . . . NCO  
 Kaempfert, W. . . . .  
 Kahl, Joseph . . . . . FEC  
 Kahn, I.W. . . . . NHI  
 Kahn, M.C. . . . . N  
 Kaliski, D.J. . . . . N  
 Kaliss, Nathan . . . . . FGN  
 Kallen, H.M. . . . . HIK  
 Kallmann, F.J. . . . . FNG  
 Kamlet, Jonas . . . . . CN  
 Kanolt, C.W. . . . . BCA  
 Kanowitz, S.B. . . . . C  
 Kaplan, E.B. . . . . NLB  
 Kaplan, Ira I. . . . . N  
 Karelitz, G.B. . . . . BMO  
 Karselen, F.E., Jr. . . . OIE  
 Karpf, M.J. . . . . KIH  
 Kasner, Edward . . . . A  
 Kast, Ludwig . . . . . NIO  
 Katsh, A.I. . . . . KAB  
 Kater, J.McA. . . . . F  
 Katz, Richard, Jr. . . . C  
 Katz, S.L. . . . . Nd  
 Katz, William . . . . . ADM  
 Kaufmann, H.M. . . . . C  
 Kaufmann, Jacob . . . . N  
 Kauffz, F.G. . . . . NHL  
 Kay, G. Marshall . . . . E  
 Keiser, Sylvan . . . . . INO  
 Keith, H.H. . . . . INB  
 Keller, J.F. . . . . M  
 Keller, W.C. . . . . Nd  
 Kelley, N. . . . . K  
 Kelly, M.J. . . . . B  
 Kelly, Miss W.I. . . . . F  
 Kendall, F.E. . . . . CN  
 Kendall, James . . . . . GF  
 Kennedy, Foster . . . . N  
 Kennedy, N.F. . . . . C  
 Kenney, F.J. . . . . CBM

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Kent, C.H. .... MA  
 Kenyon, O.A. .... M  
 Koppel, F.P. .... Q  
 Kerr, P.F. .... E  
 Kesten, H.D. .... N  
 Ketchum, B.H. .... FGC  
 Key, Ben Witt .... NBC  
 Kidd, J.G. .... NC  
 Kiddle, J.H. .... NPQ  
 Kiesler, F.J. .... C  
 Killeffer, D.H. .... C  
 Killian, J.A. .... C  
 Kilpatrick, Van E. .... Q  
 Kilpatrick, W.H. .... Q  
 Kinde, Cecil H. .... E  
 King, B.G. .... NFO  
 King, F.G. .... AKM  
 King, R.W. .... B  
 King, T.B. .... Nd  
 Kingsbury, E.F. .... B  
 Kirby, G.T. .... M  
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 Kissam, W.A. .... C  
 Kissell, Miss M.L. .... HI  
 Kitchen, E.M. .... CO  
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 Klopfer, Bruno .... HIO  
 Klosterman, Julius .... N  
 Klotz, W.C. .... N  
 Knapp, Arnold .... N  
 Knoll, Alexander .... CBO  
 Knowles, Frederick N.  
 Knox, Lela C. .... NKL  
 Koehring, Vera .... F  
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 Krida, Arthur .... N  
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 Krugman, Morris .... IO  
 Krumb, Henry .... M  
 Kruse, H.D. .... NC  
 Kubie, L.S. .... NI  
 Kubis, J.F. .... IOA  
 Kugelmass, I.N. .... NC  
 Kuhn, W.E. .... CBM  
 Kupfer, Elsie M. .... GFN  
 Kurzrok, Raphael .... NC  
 Kutz, Sally E. .... N  
 Ladd, W.S. .... NEI  
 LaFarge, Oliver .... H  
 Lake, D.B. .... C  
 Lambert, R.A. .... N  
 Lambert, R.K. .... N  
 Lambert, S.W. .... N  
 Lamont, Corliss QKH  
 LaMonte, Miss F. FHN  
 Lancefield, R.C. .... N  
 Landis, Carney .... IN  
 Landis, Quick .... C  
 Landman, J.H. .... FHI  
 Landolt, F.E. .... C  
 Landon, F.G. .... C  
 Lanford, O.E., Jr. .... CB  
 Langmuir, C.R. .... QKI  
 Lascoff, J. Leon .... NC  
 Last, M.A. .... NB  
 Laufer, Stephen .... C  
 Laval, Joseph .... NIH

## New York, Cont'd.

Lavin, G.I. .... C  
 Lavos, George .... IQK  
 Lawrence, C.B., Jr. .... KI  
 Lawton, Miss Elva .... G  
 Lawton, George .... IQK  
 Lawton, S.U. .... FN  
 Leach, H.G. .... HIK  
 LeBuffe, F.P. .... Nd  
 Lefkowitz, Wm. .... BCM  
 Legg, Victor E. .... CBO  
 Lehrman, Alex. .... IN  
 Lehrman, P.R. .... MC  
 Lemon, B.J. .... F  
 Lemon, Courtney FIH  
 Leonard, H.J. .... Nd  
 Leopold, J.S. .... N  
 Levene, P.A.T. .... N  
 Levin, Isaac .... NBG  
 Levin, Louis .... NC  
 Levine, Michael .... GN  
 Levine, S.Z. .... N  
 Levy, D.M. .... N  
 Levy, R.L. .... N  
 Levy, William .... K  
 Lewis, C.McK., Jr. .... CKH  
 Lewis, Clarence .... CDB  
 Lewis, David .... CBL  
 Lewis, Joseph .... E  
 Lewis, N.D.C. .... ICN  
 Libman, Emanuel .... NQ  
 Lichtenstein, A.F. .... G  
 Lichtman, Miss F. .... NpCF  
 Lieb, C.C. .... NpCF  
 Lieban, E. Alan .... Nd  
 Lieber, Leon .... NHK  
 Liebmam, A.J. .... CBP  
 Liebowitz, Sidney ABC  
 Liebowitz, Benj. .... M  
 Ligon, W.D., Jr. .... QIM  
 Lillenthal, Howard N.  
 Lindsay, S.McC. .... K  
 Lindstrom, Wm. MAB  
 Lindwall, H.G. .... C  
 Linahan, P.H. .... A  
 Linton, Ralph .... H  
 Lippmann, R.K. .... NFB  
 Lips, Julius E. .... HKI  
 Liss, Edward .... QI  
 Littauer, L.N. .... Nd  
 Litten, A.S. .... M  
 Litter, F.J. .... F  
 Little, Mrs. I.R.W. .... FGH  
 Little, M.E. .... FGH  
 Livengood, W.W. .... CMB  
 Livingston, E.M. .... CMB  
 Lloyd, D.P.C. .... N  
 Lobeck, A.K. .... E  
 Locke, N.M. .... IFH  
 Lockwood, Miss M. .... DE  
 Loeb, Robert .... N  
 Loewenstein, E. .... BC  
 Long, Louis .... INK  
 Long, M.B. .... MBC  
 Long, W. Bayard .... NP  
 Lorge, Irving .... QIK  
 Lotthrop, S.K. .... H  
 Lotka, Alfred J. .... B  
 Lough, J.E. .... IO  
 Lough, O.M. .... INQ  
 Lowther, F.deL. .... FH  
 Lubman, Max .... N  
 Lubowe, N.R. .... FGN  
 Ludwig, Daniel .... F  
 Lutz, F.E. .... F  
 Lyman, Franklin COE  
 Lynch, Miss C.J. .... FN  
 Lynch, J.J. .... BE  
 Lynch, Wm. A. .... BE  
 McCall, J.O. .... Nd  
 McCall, W.A. .... IO  
 MacCallum, Miss H. .... KQ

## New York, Cont'd.

McCarthy, D. .... IO  
 McCastine, W.H. .... N  
 McClure, H.B. .... CMN  
 MacColl, Mrs. LeR.A. .... GFA  
 MacComb, W.S. .... N  
 McCracken, E.C. .... BNA  
 McCrae, N.G. .... LO  
 McCready, R.L. .... N  
 McEwen, Alfred .... P  
 McEwen, Currier .... NO  
 McGill, V.J. .... IKQ  
 McGraw, M.B. .... IHN  
 McGregor, J.H. .... F  
 McGuinness, M.C.L. .... N  
 McIntosh, Rustin .... NC  
 Mack, E.L. .... C  
 Mack, J.W. .... K  
 MacKee, G.M. .... N  
 McKee, R.H. .... C  
 MacKenzie, J.M. MAB  
 Mackenzie, K.G. .... C  
 McKnight, Charles .... M  
 McLaren, P.J. .... MNO  
 Maclean, B.L. .... F  
 MacLeod, Grace .... CN  
 McMaster, P.D. .... N  
 McNeer, Gordon .... N  
 MacTavish, W.C. .... CN  
 Maier, Otto .... CNB  
 Malisoff, W.M. .... CNB  
 Maller, J.B. .... I  
 Mallon, Arthur .... KLI  
 Malone, Miss E.J. FGH  
 Manthey, L.L. .... CN  
 Mandelbaum, M.R. .... C  
 Manginelli, E.A. .... HIK  
 Manges, Morris .... EN  
 Mann, A.R. .... KOQ  
 Mann, Hubert .... N  
 Mann, P.B. .... FGQ  
 Mannhardt, L.A. .... EF  
 Manson, M.H. .... N  
 Manzer, C.W. .... I  
 Marano, R.J. .... GFN  
 Marcus, Alex. .... B  
 Marcus, J.K. .... CN  
 Margolis, J.I. .... CN  
 Marinelli, L.D. .... BN  
 Marlies, C.A. .... MCB  
 Marmor, J.D. .... EHN  
 Marmormston, Jessie N.  
 Marrazzi, A.S. .... NpFI  
 Marrison, W.A. .... BED  
 Marston, W.M. .... I  
 Martin, H.E. .... N  
 Martin, Mrs. W. .... N  
 Marx, Miss R.S. .... C  
 Mason, D.B. .... CM  
 Master, A.M. .... NQE  
 Matchette, F.J. .... B  
 Mathews, R.S. .... F  
 Matsner, E.M. .... NI  
 Mattice, M.R. .... CN  
 Mattin, Harry .... C  
 Matzke, E.B. .... G  
 Mauersberger, H.R. .... CMO  
 Max, L.W. .... INF  
 Maxfield, Miss K.E. .... IO  
 Mazur, A. .... N  
 Mead, Mrs. S.F. .... OI  
 Meek, L.H. .... OI  
 Meier, Dorothy .... GF  
 Meigs, A.V. .... C  
 Meister, Morris .... QBC  
 Melander, A.L. .... F  
 Meleny, F.L. .... NLQ  
 Meltzer, Victor .... N  
 Mendel, J. .... Np  
 Mentzel, Charles MEC  
 Merriman, C.F. .... MEO  
 Merritt, A.H. .... Nd

## New York, Cont'd.

Messenger, H.A. .... B  
 Meyer, Otto .... N  
 Meyers, S.S. .... BMN  
 Michaelis, Leonor .... CN  
 Michaelis, C.G. .... M  
 Milch, Henry .... NFG  
 Miles, Gilbert .... CBF  
 Millhorat, A.T. .... NCE  
 Millar, P.S. .... M  
 Miller, B.S. .... C  
 Miller, C.R. .... QKH  
 Miller, E.G., Jr. .... CN  
 Miller, G.L. .... CN  
 Miller, G.E. .... CMB  
 Miller, Mrs. H.S. .... F  
 Miller, H.M., Jr. .... FNC  
 Miller, J.W. .... N  
 Miller, O.M. .... EDM  
 Miller, R.L. .... E  
 Milliken, Seth Minot N.  
 Milstone, J.H. .... NCF  
 Mindlin, Eugene .... NI  
 Mindlin, R.D. .... MB  
 Minor, Miss M.L. .... FG  
 Mira, J.A. .... A  
 Mirick, G.R. .... MA  
 Mishulow, Miss L. .... NO  
 Mitchell, A.C. .... C  
 Mitchell, David .... IOH  
 Mitchell, H.B. .... AIO  
 Mitchell, Miss M.M. .... B  
 Mitchell, W.C. .... K  
 Mitchell, W.H. .... KCI  
 Mittelmann, Bela .... IN  
 Mohr, Franklin .... MBA  
 Moldenke, H.N. .... GFH  
 Molina, E.C. .... A  
 Montague, J.F. .... NF  
 Montague, W.P. .... I  
 Montgomery, A. .... E  
 Moore, C.J. .... C  
 Moore, Dan H. .... B  
 Moore, E.F. .... KM  
 Moore, Stanford .... CN  
 Morgan, C.I. .... C  
 Morgan, D.F. .... C  
 Morgan, J.J. .... CM  
 Morgan, O.S. .... OK  
 Morgan, W.F. .... F  
 Morrill, C.V. .... M  
 Morris, Mrs. D.H. .... L  
 Morris, J.D. .... FO  
 Morrison, A.C. .... CB  
 Morrison, H.B. .... QI  
 Morrissey, R. .... BAM  
 Mort, P.R. .... QI  
 Moschowitz, Eli .... N  
 Mossman, D.D. .... CQL  
 Mossman, D.R. .... CO  
 Muench, H., Jr. .... N  
 Muenzen, Jos. B. .... C  
 Mulinos, M.G. .... CNp  
 Mullen, J.A. .... FO  
 Mumford, A.R. .... MCD  
 Murphy, E.J. .... BCK  
 Murphy, Gardner .... I  
 Murphy, J.B. .... N  
 Murphy, R.C. .... FE  
 Murray, C.R. .... FN  
 Murray, M.R. .... NF  
 Musher, Sidney .... CNK  
 Myers, C.N. .... CN  
 Myers, D.M. .... MCB  
 Myers, J.T. .... N  
 Naiman, Barnet .... CO  
 Nathan, Harold .... F  
 Nathans, A.A. .... FG  
 Naumburg, R.E. .... MOL  
 Naumburg, Mrs. W.W. .... F  
 Nelson, J.M. .... CN  
 Nelson, Nels C. .... H  
 Nelson, Theodora .... F

## New York, Cont'd.

Nesbitt, Elizabeth ... N  
 Neustadter, L.W. ... I  
 Neuwirth, Isaac ... C  
 Newman, A.B. ... MCB  
 Newman, Hugo ... IO  
 Newman, S.S. ... LOI  
 Newman, Miss V. ... NOC  
 Nichols, J.T. ... F  
 Niederl, Joseph B. ... C  
 Niles, W.L. ... N  
 Nilson, S.J. ... NCI  
 Noback, G.J. ... NFH  
 Noble, G.K. ... F  
 Nonidez, Josef ... NF  
 Nord, F.F. ... CNK  
 Norris, H.L. ... M  
 Notman, Arthur ... E  
 Nunberg, Herman ... IOL  
 Nystrom, P.H. ... K  
 Oak, Miss D. ... GOF  
 O'Brien, Miss A. ... GF  
 O'Byrne, H.I. ... F  
 O'Connell, D.T. ... EMO  
 Oeteking, Bruno ... H  
 O'Leary, A.J. ... BD  
 Oler, C.B. ... M  
 Olmsky, P.K. ... N  
 Olmstead, P.S. ... B  
 Olyanova, Mrs. N. ... IN  
 Olzendam, Miss T. ... CN  
 Opie, E.L. ... NF  
 Oppenheimer, B.S. ... N  
 Oppenheimer, E.D. ... N  
 O'Rear, F.B. ... QIK  
 Orleans, J.S. ... QI  
 Ornstein, G.G. ... N  
 Orrok, G.A. ... M  
 Orton, S.T. ... N  
 Osborn, Fred. ... HIK  
 Osborn, W.C. ... N  
 Osgood, A.T. ... N  
 Osterhout, M.I. ... GF  
 Osterhout, W.J.V. ... G  
 Osterud, K.L. ... F  
 Otten, Henry ... MBK  
 Ottenberg, Reuben ... FN  
 Overstreet, H.A. ... IKH  
 Pack, G.T. ... N  
 Packard, Charles ... F  
 Paige, B.H. ... N  
 Palmer, B.B. ... NDEK  
 Palmer, D.H. ... MBO  
 Palmer, R.M. ... CM  
 Palmer, W.W. ... CHN  
 Pannil, C.J. ... M  
 Papanicolaou, G.N. ... N  
 Pappenheimer, A.M. ... N  
 Parker, R.D. ... M  
 Parr, Harry L. ... N  
 Partridge, E. DeA. ... KO  
 Pasternak, Jesse ... NFG  
 Paton, R.T. ... N  
 Patterson, W.M. ... N  
 Patty, F.A. ... CNM  
 Paul, A.A. ... FN  
 Paul, M.A. ... CBA  
 Payne, A.F. ... QIK  
 Payne, C.K. ... ABK  
 Payne, E.G. ... QI  
 Pearsall, Samuel ... N  
 Pearson, Howard ... MBH  
 Pease, H.D. ... N  
 Peck, S.M. ... N  
 Pedersen, James ... N  
 Pegram, G.B. ... B  
 Pennington, M.E. ... CFG  
 Perkins, W.H. ... N  
 Perla, David ... N  
 Perlman, David ... CBO  
 Pestel, Arthur ... M  
 Pestrecov, K.V. ... BM  
 Peters, J.L. ... N  
 Petrasek, W.A. ... MQB

## New York, Cont'd.

Petti, M.J. ... N  
 Pfeiffer, C.G. ... EKP  
 Pfeiffer, G.A. ... CN  
 Phelps, E.B. ... CM  
 Phillips, Melba ... B  
 Piatt, Jean ... FNG  
 Piccoli, L.J. ... Np  
 Pickels, Edward ... NBC  
 Pickering, Miss E. ... C  
 Pickett, K.E. ... QIM  
 Pickhardt, W.P. ... CMP  
 Pieper, C.J. ... O  
 Pierce, H.M. ... M  
 Pierson, H.S. ... NI  
 Pike, F.H. ... FN  
 Pilger, Miss E.M. ... HIK  
 Pincus, Sol ... MNC  
 Pinkley, George ... HFE  
 Pintner, Rudolf ... IQ  
 Piotrowski, Zygmunt ... I  
 Pirrie, Peter G. ... CM  
 Pitkin, W.B. ... IOQ  
 Platt, Miss E.T. ... E  
 Platt, H.H. ... BM  
 Poetschke, Paul ... C  
 Poffenberger, A.T. ... I  
 Poillon, H.A. ... M  
 Polachek, Z.H. ... M  
 Polister, A.W. ... F  
 Pollack, Aboud ... M  
 Pollock, R.T. ... PMC  
 Poor, C.L. ... BD  
 Porter, H.H. ... M  
 Post, E.L. ... ADB  
 Potts, C.E. ... M  
 Povitzky, O.R. ... N  
 Power, F.W. ... CNQ  
 Powers, S.R. ... OCT  
 Poynter, Miss H.J. ... FH  
 Pozen, M.A. ... CP  
 Prager, W.L. ... C  
 Pratt, W.E. ... E  
 Price, B.S. ... N  
 Price, Donald ... CAB  
 Prime, Frederick ... N  
 Procter, William ... F  
 Proskauer, E.S. ... BDC  
 Quick, Douglas ... N  
 Rabbin, C.B. ... N  
 Rabinowitz, L.M. ... N  
 Rabson, S.M. ... N  
 Rado, Sandor ... NI  
 Radosavljevic, P.R. ... O  
 Ralli, E.F. ... N  
 Rappleye, W.C. ... N  
 Ratner, J.B. ... N  
 Ratner, Bret ... NOI  
 Raven, H.C. ... F  
 Rawles, W.P. ... E  
 Razran, G.S. ... IQH  
 Reed, Wm. E. ... M  
 Rees, Mina S. ... A  
 Reeve, W.D. ... AO  
 Rehman, Irving ... FHN  
 Reichard, G.A. ... H  
 Reichert, Philip ... N  
 Reid, C.F. ... O  
 Reilly, Miss E. ... NFC  
 Reimer, Marie ... C  
 Reiner, Miriam ... CN  
 Remy, C.E. ... N  
 Renouard, C.A. ... NO  
 Renzetti, N. ... BAC  
 Reynolds, E.G. ... A  
 Rhodes, G.B. ... N  
 Rice, Hugh S. ... DE  
 Richards, Gragg ... EM  
 Richards, Mrs. H.M. ... GC  
 Richman, A.A. ... NB  
 Richter, M.N. ... N  
 Rickett, H.W. ... G  
 Riesner, S.E. ... Nd

## New York, Cont'd.

Ringer, Michael ... N  
 Riordan, John ... MAB  
 Ripley, H.S. Jr. ... NIO  
 Ritt, J.F. ... A  
 Ritti, Miss Mabel M. ... N  
 Rivera, Trinita ... CN  
 Rivers, T.M. ... N  
 Robbins, W.J. ... G  
 Robertson, M.L. ... QFG  
 Robinson, W.S. ... KIA  
 Robinson, W.T. ... N  
 Robison, S.H. ... IHK  
 Rock, R.T. Jr. ... IO  
 Roger, John ... M  
 Rohdenburg, G. ... N  
 Rolle, Sidney ... M  
 Roller, Duane ... B  
 Rongy, A.J. ... N  
 Root, R.W. ... F  
 Root, W.S. ... NF  
 Rose, W.A. ... MAB  
 Rosebury, Theodor ... Nd  
 Roseman, Mrs. Alex. ... N  
 Rosen, S.H. ... N  
 Rosenberg, Paul ... BMC  
 Rosenfeld, K.S. ... N  
 Rosinger, K.E. ... N  
 Rosoff, M.L. ... LNd  
 Ross, Nathaniel ... NI  
 Ross, Victor ... CN  
 Rossin, E.L. ... EMK  
 Roth, S. Clement ... NIK  
 Rothen, A. ... CBN  
 Rothschild, L. ... NHI  
 Rous, Peyton ... N  
 Roventine, E.A. ... NO  
 Roy, N.H. ... MBP  
 Rubin, H.H. ... N  
 Rubin, I.C. ... N  
 Rucker, Augusta ... N  
 Ruger, H.A. ... IQA  
 Rugh, Roberts ... FNI  
 Ruskin, Simon L. ... C  
 Russell, A.E. ... NII  
 Russell, Charles ... QLO  
 Ryan, C. Diller ... NI  
 Ryan, John J. ... MP  
 Ryans, David ... IO  
 Sachs, Bernard ... N  
 Sackett, R.L. ... M  
 Sagal, Zachary ... N  
 St. Clair, Stuart ... EM  
 Salant, Aaron B. ... N  
 Salant, E.O. ... BCA  
 Salant, William ... N  
 Salma, E.A. ... KMO  
 Salmon, Udal J. ... NF  
 Salzer, Benjamin ... N  
 Salzmann, J.A. ... NdK  
 Sandstrom, C.J. ... F  
 Sargeant, Miss B.B. ... IO  
 Sargent, W.D. ... FGE  
 Sauer, J.J. ... BN  
 Saville, T. ... MEK  
 Savitsky, Nathan ... N  
 Saxl, N.T. ... N  
 Saxton, John A., Jr. ... N  
 Schaeffer, Morris ... NCF  
 Scharff, M.R. ... MK  
 Scheidenhelm, F.W. ... ME  
 Scheinfeld, A. ... FKI  
 Schellkuno, S.A. ... AB  
 Scheuer, L.A. ... N  
 Schick, Bela ... NHI  
 Schiff, Fritz ... N  
 Schilt, Jan ... D  
 Schloss, O.M. ... N  
 Schneider, F., Jr. ... GH  
 Schneider, H.A. ... NC  
 Schoenborn, H.W. ... FG  
 Schoenheimer, R. ... C  
 Schrader, Franz ... F

## New York, Cont'd.

Schroff, Joseph ... NCB  
 Schuetz, F.F. ... C  
 Schultz, A.S. ... C  
 Schurik, Samuel ... CBA  
 Schuyler, C.H. ... Nd  
 Schuyler, R.L. ... L  
 Schwartz, Laszlo ... LNL  
 Schwarz, Emilie ... C  
 Schwarz, H.F. ... F  
 Schwarz, H.J., Jr. ... EHC  
 Schwarz, Herman ... N  
 Schwarz, Robert ... CMP  
 Schweizer, Malvina ... F  
 Schwengel, Mrs. J.S. ... F  
 Schwesinger, G.C. ... IKQ  
 Scott, Miss D.B. ... C  
 Scudder, Miss S.A. ... N  
 Seabury, G.T. ... M  
 Scaman, E.C. ... NTC  
 Seaver, F.J. ... G  
 Seccol, D.P. ... N  
 Seegal, B.C. ... N  
 Seegal, David ... N  
 Seidl, J.C.G. ... IMO  
 Seligman, Mrs. E. AKQ  
 Sells, Saul B. ... IQK  
 Semken, G.H. ... NF  
 Senauke, Alex. ... BM  
 Serber, G.M. ... MEH  
 Serin, B. ... N  
 Severinghaus, A.E. ... NF  
 Severinghaus, Mrs. W.L. ... B  
 Severinghaus, W.L. ... B  
 Shackleton, S.P. ... BM  
 Shand, S.J. ... E  
 Shanes, A.M. ... FBG  
 Shapiro, H.L. ... II  
 Shapiro, Shepard ... N  
 Shaw, R.S. ... ABD  
 Shea, T.F. ... C  
 Shearer, Miss E.L. ... BMC  
 Sheehan, M.R. ... I  
 Sheldon, H. Horton ... B  
 Shepard, F.J. ... N  
 Sherlock, J.R. ... IK  
 Sherman, H.C. ... C  
 Sherman, W.B. ... N  
 Sherover, Max ... LI  
 Shimer, W.A. ... QLK  
 Shinkle, V.G. ... BCE  
 Shluer, Simon ... FBC  
 Shoenfeld, D.D. ... NTF  
 Shore, Henry ... MBA  
 Short, James J. ... N  
 Schwartzman, G. ... N  
 Sieber, Missal ... CBN  
 Silver, Bruce R. ... CBM  
 Simms, Henry S. ... NCF  
 Simpson, G.G. ... EF  
 Simpson, Mrs. J.L.S. ... GF  
 Skelley, C.L. ... N  
 Smith, Leonard ... C  
 Smith, A.C. ... GE  
 Smith, Carl H. ... N  
 Smith, E.B. ... MEB  
 Smith, H. DeW. ... CBQ  
 Smith, H.W. ... N  
 Smith, P.E. ... N  
 Snell, C.T. ... C  
 Snow, W.F. ... N  
 Snyder, Carl ... K  
 Snyder, John ... CI  
 Sobel, F.S. ... IQA  
 Sobel, S.P. ... N  
 Sobotka, H.H. ... CN  
 Solley, P.P. ... N  
 Somach, Irving ... NIL  
 Sonneborn, F. ... C  
 Soper, Fred L. ... NF  
 Sorrin, Sidney ... Nd

- New York, Cont'd.**  
 Southworth, H. .... NB  
 Spear, W. E. .... IO  
 Spence, R. B. .... IO  
 Spencer, Douglas .... IO  
 Spencer, H. J. .... NF  
 Sperry, E. A. .... M  
 Sperry, W. M. .... CN  
 Spiegel, B. E. .... N  
 Spillman, Ramsay .... N  
 Spino, W. J. .... MAB  
 Spock, L. E. .... EM  
 Sporable, E. I. .... MB  
 Sporn, Philip .... MBK  
 Sprague, E. C. .... CBD  
 Springer, N. N. .... IQK  
 Sproull, R. C. .... C  
 Squier, Raymond .... N  
 Stackpole, Miss C. E. .... FN  
 Staloff, Charles .... PG  
 Stander, H. J. .... CN  
 Stanley, A. T. .... N  
 Stanley, Douglas .... B  
 Stanley, L. L. .... M  
 Stanton, Hazel M. .... I  
 Stearns, G. B. .... N  
 Stebinger, Eugene .... E  
 Steele, J. M. .... NBC  
 Stefansson, V. .... EH  
 Steffen, G. I. .... NC  
 Stein, J. B. .... NFH  
 Stein, M. R. .... IFd  
 Stein, W. H. .... NC  
 Steinbach, H. B. .... F  
 Steinberg, J. C. .... B  
 Steinman, D. B. .... MBA  
 Steinmetz, V. A. .... CM  
 Stern, Adolph .... NIH  
 Stern, E. L. .... NC  
 Stern, E. V. L. .... IO  
 Stetson, D. D. .... N  
 Stetson, G. A. .... M  
 Stetten, DeWitt .... N  
 Stetten, DeWitt, Jr. .... N  
 Stevens, A. R. .... N  
 Stevens, Sue C. .... CN  
 Stevenson, E. .... CN  
 Stevenson, G. S. .... I  
 Stewart, F. W. .... FN  
 Stewart, H. J. .... N  
 Stewart, Irvin .... QK  
 Stewart, S. W. .... M  
 Stiles, H. S. .... N  
 Stillman, R. G. .... CN  
 Stillman, T. B. .... M  
 Stone, Abraham .... N  
 Stone, G. C. H. .... CNB  
 Stone, H. M. .... N  
 Stones, C. W. .... CNB  
 Stookey, Byron .... N  
 Stout, A. B. .... G  
 Strang, Ruth .... Q  
 Strauss, Israel .... NI  
 Strauss, Samuel .... N  
 Strayer, G. D. .... Q  
 Strong, G. K. .... N  
 Strong, W. D. .... HFI  
 Stull, Arthur .... CNQ  
 Stunkard, H. W. .... FN  
 Suglura, K. .... CN  
 Sullivan, R. P. .... N  
 Sulberger, A. H. .... N  
 Sulberger, M. B. .... N  
 Summerson, W. H. .... NC  
 Surface, F. M. .... KF  
 Sutherland, A. H. .... IQ  
 Sutcliffe, W. D. .... N  
 Sutton, J. E. Jr. .... N  
 Sved, A. .... NDIA  
 Swaine, J. W. .... CBF  
 Swan, C. M. .... BMA
- New York, Cont'd.**  
 Swartz, D. J. .... EQK  
 Sweet, J. E. .... N  
 Swenson, P. C. .... N  
 Swift, H. F. .... N  
 Symonds, P. M. .... IO  
 Syz, Hans C. .... NI  
 Scenes, Alexander .... M  
 Tallman, Miss G. G. .... I  
 Tanchester, D. .... NDQ  
 Tanzer, H. H. .... EI  
 Taub, Abraham .... CNO  
 Taylor, A. L. .... CNB  
 Taylor, C. G. .... N  
 Taylor, C. M. .... NI  
 Taylor, H. F. .... FC  
 Taylor, H. O. .... L  
 Taylor, H. C. Jr. .... N  
 Taylor, Kenneth .... NFG  
 Taylor, Norman .... GN  
 Taylor, R. M. .... N  
 Tea, P. L. .... B  
 Tee-Van, John .... F  
 Thalheimer, W. .... N  
 Tharaldsen, C. E. .... FN  
 Thomas, A. W. .... C  
 Thomas, Mrs. H. M. .... G  
 Thomas, J. Elmer .... E  
 Thomas, W. S. .... NG  
 Thompson, C. B. .... NI  
 Thompson, C. G. .... ODN  
 Thompson, F. D. .... NF  
 Thompson, M. R. .... CN  
 Thorndike, E. L. .... IKO  
 Thorndike, R. L. .... IO  
 Thorne, Samuel .... N  
 Tibbals, G. A. .... M  
 Tiedcke, Carl .... CN  
 Tietz, J. W. .... IQH  
 Tillett, W. S. .... N  
 Timme, Walter .... NF  
 Tobey, J. A. .... N  
 Toch, Maximilian .... C  
 Tolmach, Samuel .... Nd  
 Tompkins, S. A. .... KMA  
 Toner, R. K. .... CM  
 Topp, Miss Emily .... FGQ  
 Torrey, J. C. .... N  
 Tour, Sam .... MBC  
 Towle, N. L. .... MQB  
 Traeger, Cornelius .... N  
 Traut, H. F. .... N  
 Trautz, O. R. .... CB  
 Traxler, A. E. .... QI  
 Trelease, Mrs. H. M. .... G  
 Trelease, S. F. .... G  
 Treves, Norman .... N  
 Trichter, J. .... CMNp  
 Triest, R. M. .... O  
 Trowbridge, D. S. .... M  
 Truelblood, H. M. .... BM  
 Trumbull, Mrs. M. R. S. .... HDE  
 Trumbull, Walter .... HE  
 Tuggle, Allan .... N  
 Tuller, Miss A. .... AB  
 Turner, Alva .... BA  
 Turner, E. M. .... IO  
 Turner, J. P. .... IHQ  
 Turner, Lewis .... M  
 Turner, W. D. .... CM  
 Twombly, Mrs. M. F. .... FGQ  
 Tyndale, Mrs. E. H. .... I  
 Urey, H. C. .... CB  
 Vaillant, G. C. .... N  
 VanCleave, C. D. .... F  
 Vanderbilt, C. .... M  
 VanDeventer, H. R. .... MBC  
 vanDuyn, Evelyn .... GF  
 VanTallie, P. H. .... CN  
 vanKleeck, Miss M. .... K  
 VanName, Willard G. F
- New York, Cont'd.**  
 VanNuy, C. C. .... B  
 VanSlyke, D. D. .... CN  
 VanVale, E. G. .... Nd  
 vanWagenen, G. .... NF  
 Vaughan, H. S. .... Nd  
 Vicari, Miss E. .... FN  
 Vincent, H. L. .... C  
 Viola, Miss A. M. .... NF  
 Vogelaar, Johannes CN  
 VonSeckendorff, E. W. .... MBC  
 Wakefield, S. D. .... HLK  
 Walker, H. M. .... QKA  
 Wall, Miss F. E. .... CLO  
 Wallace, G. B. .... Np  
 Wallerstein, Leo .... C  
 Wallhausen, C. W. .... CBP  
 Walsh, Miss E. A. .... I  
 Walsh, J. J. .... N  
 Walsh, T. J. .... N  
 Walter, C. W. P. .... MAN  
 Walters, Frank .... FG  
 Warburg, Bettina NHI  
 Warden, C. J. .... IO  
 Warner, L. H. .... IKF  
 Warren, H. S. .... MBK  
 Waterman, F. N. .... BM  
 Watson, R. F. .... N  
 Watson, W. S. .... IQD  
 Watson, W. L. .... N  
 Watters, L. M. .... N  
 Waugh, L. M. .... NAGH  
 Waysfield, Miss C. W. .... NC  
 Webb, H. W. .... B  
 Webb, J. F. Jr. .... NFG  
 Weber, F. C. .... CNO  
 Webster, J. P. .... N  
 Webster, L. T. .... NF  
 Wechsler, David .... I  
 Wechsler, I. S. .... N  
 Weeks, L. G. .... EBK  
 Wegel, R. L. .... B  
 Wehmeyer, Eugene CN  
 Weil, G. L. .... BM  
 Weil, H. L. .... N  
 Weinberger, B. W. .... NLH  
 Weinland, J. D. .... IKO  
 Weinstein, A. .... M  
 Weinstock, Harry .... IN  
 Weintraub, Solomon N  
 Weir, J. M. Jr. .... NC  
 Weissberg, H. F. .... FNG  
 Weisner, Louis .... AM  
 Weiss, Harry .... FN  
 Weiss, J. M. .... MCB  
 Weiss, Myron .... NMP  
 Weiss, Samuel .... N  
 Weitzner, Miss Bella H  
 Welch, Brother B. A. .... ABO  
 Welch, Livingston .... IN  
 Wender, B. H. .... BAD  
 Wendt, G. L. .... CBQ  
 Wente, E. C. .... BMC  
 Wertham, Frederic IN  
 Wesman, A. .... IO  
 West, P. V. .... IO  
 West, Randolph .... NC  
 Whaley, W. G. .... GO  
 Wheeler, G. W. .... N  
 Whipple, A. O. .... N  
 Whistler, Paul .... BCM  
 Whitaker, M. C. .... CM  
 Whiteside-Hawel, B. N  
 Whitley, M. T. .... IO  
 Whitlock, H. P. .... E  
 Whitman, Ralph .... M  
 Wiant, J. S. .... GO  
 Wickenden, L. .... CPB  
 Wickham, J. F. .... LQK
- New York, Cont'd.**  
 Wiehl, Miss D. G. .... N  
 Wiener, R. v. E. .... CNB  
 Wiggam, A. E. .... IKQ  
 Wile, Ira S. .... N  
 Wilensky, A. O. .... N  
 Wilkins, Sir Hubert .... E  
 Willey, C. H. .... FG  
 Williams, Miss M. F. .... LIK  
 Williams, R. R. .... CNM  
 Williamson, Miss P. B. .... QK  
 Williamson, R. D. .... N  
 Willis, W. J. .... AMF  
 Wilson, Birkbeck .... HE  
 Wilson, D. Bruce .... N  
 Wilson, J. A. .... C  
 Wilson, P. D. .... N  
 Wilson, William .... BM  
 Wimmer, C. P. .... NpCQ  
 Winner, Mrs. F. B. GFN  
 Winokur, Morris .... GFO  
 Winship, Wm. W. .... CGO  
 Wirth, H. P. .... A  
 Wissler, Clark .... H  
 Witt, S. E. .... N  
 Wittlinger, Miss B. .... FGQ  
 Wittrock, G. L. .... G  
 Woglom, W. H. .... N  
 Wolf, S. Jean .... IKQ  
 Wolfe, T. P. .... N  
 Wolff, H. G. .... N  
 Wolff, R. I. .... DB  
 Wolf, F. A. .... NK  
 Wood, Ben D. .... QEN  
 Wood, F. C. .... N  
 Wood, L. F. .... K  
 Woodard, H. O. .... C  
 Woodard, Slush, H. .... M  
 Woodbridge, F. J. E. .... IO  
 Woodworth, R. S. .... I  
 Woody, Melver .... N  
 Woodyard, Ella .... IQA  
 Woolley, S. J. .... N  
 Worcester, W. J. .... N  
 Wormser, F. E. .... M  
 Worsham, W. A. .... CO  
 Wright, H. N. .... A  
 Wright, J. K. .... EL  
 Wulfec, W. H. .... INK  
 Wulfer, Miss M. G. .... N  
 Yacknowitz, S. B. .... Q  
 Yeatman, Pope .... M  
 Youman, A. S. .... NHI  
 Young, Donald .... KH  
 Young, R. L. .... M  
 Zabriskie, E. G. .... N  
 Zachry, C. B. .... I  
 Zanetti, J. E. .... C  
 Zavoico, B. B. .... EMP  
 Zeman, F. D. .... N  
 Zemsky, J. L. .... Nd  
 Zerbán, F. W. .... C  
 Zilboorg, Gregory .... N  
 Zim, H. S. .... QEI  
 Zimmer, J. T. .... F  
 Zubin, Joseph .... IO  
 Zucker, T. F. .... CN  
 Zwemer, R. L. .... NFH
- Niagara Falls**  
 Banks, G. B. .... CBA  
 Bartlett, E. R. .... C  
 Benner, R. C. .... CME  
 Bramann, G. M. .... CDE  
 Cornthwaite, W. R. .... C  
 Cunningham, G. L. .... CPM  
 Fentress, A. L. .... ME  
 Fowler, R. M. .... C  
 Hinegardner, W. S. .... C

- Niagara Falls, Cont'd**  
 Klauack, F.R. .... MBA  
 Liddbury, F.A. .... CM  
 MacMullin, R.B. .... CBM  
 Marsh, W.J. .... CGI  
 Pernert, J.C. .... C  
 Regan, J. .... FG  
 Ridgway, R.R. .... BMC  
 Ruger, G.F. .... CBA  
 Searles, Janet .... C  
 Shannon, O.W. .... C  
 Steele, Sydney .... MPK  
 Stiegman, C.A. .... CI  
 Wescott, E.W. .... C
- North Evans**  
 Goetz, P.B. .... LQI
- North Pelham**  
 Cockaday, L.M. .... BCM
- North Tonawanda**  
 Hall, S.H. .... C  
 Rasch, C.H. .... CMO
- Norwich**  
 Briggs, W.P. .... Np  
 Paul, Mary F. .... CFN
- Nyack**  
 Freedman, W.H. .... BAD
- Ogdensburg**  
 Madill, G.C. .... N
- Old Chatham**  
 Sherndal, A.E. .... CNI
- Onchiota**  
 Carter, E.P. .... N
- Oneida**  
 Crockett, R.L. .... N
- Oneonta**  
 Rock, H.F. .... MNC  
 Steinbach, O.F. .... C
- Orangeburg**  
 Leffel, S.L. .... NFC
- Orchard Park**  
 Crowell, J.H. .... ABC
- Oscawana on Hudson**  
 Belknap, Mrs. W. ....
- Ossining**  
 Hopf, H.A. .... KMI  
 Merica, P.D. .... MCB
- Oswego**  
 Baer, C.E. .... QBC
- Otisville**  
 Freund, Jules .... N
- Painted Post**  
 Gage, O.A. .... B
- Pearl River**  
 Baker, C.I. .... MBK  
 Beard, S.D. .... CN  
 Coca, A.F. .... N  
 Gibbs, C.S. .... N  
 Joyner, A.L. .... N  
 Wyckoff, R.W.G. .... BCE
- Pelham**  
 Knowland, R.G. .... CDB  
 VanRiper, M.W. .... QK
- Pelham Manor**  
 Cremer, Randall .... ABC  
 Kingsbury, F.B. .... CN
- Penn Yan**  
 Lewis, F.G. .... L
- Perry**  
 Walker, G.W. .... ADB
- Phoenix**  
 Birdlebough, J.C. .... QBC  
 Murphy, Miss H.E. .... FN  
 Robb, R.C. .... FN
- Pittsford**  
 Hawley, E.E. .... O
- Plattsburg**  
 Coots, F.L. .... FGD  
 Hillegas, M.B. .... Q
- Pleasant Valley**  
 Masten, F.E. .... E
- Pleasantville**  
 French, Norman .... B  
 Marquette, W.G. .... G  
 Mastick, S.C. .... CKL
- Port Jefferson**  
 Hansell, C.W. .... BMA
- Port Washington**  
 Bullis, H.E. .... EK  
 Greig, John .... M  
 Stephenson, H. .... KL
- Potsdam**  
 Bair, W.H. .... B  
 McNall, Miss J.J. .... Q
- Poughkeepsie**  
 Beckwith, C.J. .... F  
 Brill, G.M. .... BMP  
 Butler, Miss E. .... F  
 Carter, Edna .... B  
 Conklin, Miss R.E. .... N  
 Crawford, H.M. .... C  
 Dean, R.W. .... F  
 Fiske, T.S. .... A  
 Flynn, Miss C.S. .... N  
 Gould, Miss M.C. .... IKH  
 Griffin, C.W. .... C  
 Hills, T.McD. .... E  
 Hoe, Mrs. R. Jr. .... I  
 Kambourpoulou, P. .... I  
 Lamson, Miss G. .... EMK  
 Langner, Helen P. .... NIH  
 Lanier, L.H. .... I  
 Magers, Miss E.J. .... N  
 Newlin, J.C. .... IO  
 Peckham, A.L. .... NC  
 Pierce, M.E. .... F  
 Roberts, Miss E.A. .... G  
 Rowley, Miss J.B. .... I  
 Sague, Mary L. .... C  
 Shipley, Miss S. .... LH  
 Smith, Miss G. .... A  
 Stone, L.J. .... I  
 Treadwell, A.L. .... F  
 True, Mrs. E.C. .... A  
 Wells, Mary E. .... B  
 Wheeler, Miss M.A. .... B  
 Wheeler, Ruth .... NKK  
 Wick, Frances G. .... B
- Purdy Station**  
 Halvorsen, A.L. .... MC
- Queens Village**  
 Brookman, K.G. .... NE  
 Hessey, Miss R.S. .... ION  
 Simons, G.A. .... HIK
- Red Creek**  
 Wood, W.H. .... EMK
- Rensselaer**  
 Corbitt, H.B. .... CN  
 Young, W.E. .... QKL
- Rensselaerville**  
 Odum, E.P. .... FG
- Richmond Hill**  
 Fletcher, Mrs. D.A. .... FGO  
 Gordon, S.M. .... CN  
 Maurmeyer, Robert CB  
 Mayer, W.H., Jr. .... ADE  
 Moss, L.H. .... N  
 Petersen, Miss G.A. .... GOD
- Riverdale**  
 Subaisky, Z. .... QFG  
 Wood, G.C. .... FGQ
- Riverhead**  
 Cunningham, H.S. .... G  
 Hockett, H.C. .... FGO  
 Oppermann, K.W. .... MBD  
 Wessels, P.H. .... CO
- Rochester**  
 Adolph, E.F. .... NF  
 Albrech, M.C. .... C  
 Alexander, C.A. .... MOK  
 Ailing, H.L. .... BCE  
 Atkins, H.P. .... A  
 Bausch, C.L. .... MB  
 Bausch, Edward .... ABF  
 Berry, G.P. .... N  
 Bishop, S.C. .... F  
 Bloor, W.R. .... NpC  
 Bright, H.F. .... BAG  
 Burkhardt, H.J. .... Nd  
 Clark, H.A. .... B  
 Clark, J.H. .... BN  
 Clausen, S.W. .... N  
 Comstock, Miss L. .... N  
 Cook, A.A. .... B  
 Crabtree, J.I. .... CBM  
 Culler, E.A. .... I  
 Davidson, H.P. .... IO  
 Dearing, L.M. .... CKC  
 DuBridge, L.A. .... B  
 Dunlap, J.W. .... IQ  
 Ehrenfried, George .... BCE  
 Eichelberger, W.S. .... D  
 Eisenhart, M.H. .... PC  
 Ellingson, Mark .... QIK  
 Embree, Norris .... C  
 Erb, F.O. .... QIK  
 Fairbanks, F.C. .... BD  
 Fairchild, H.L. .... E  
 Fenn, W.O. .... NCB  
 Foyles, E.J. .... EFG  
 Frederick, C.W. .... ABC  
 Gale, A.S. .... A  
 Gamble, D.L. .... FNO  
 Goodwin, R.H. .... G  
 Gray, E.LcB. .... CN  
 Guptill, Plimpton .... NE  
 Hallett, L.T. .... CP  
 Handy, Miss E.H. .... KNO  
 Hanson, W.T., Jr. .... CB  
 Harding, H. .... MAB  
 Haven, F.L. .... CN  
 Hawkins, W.B. .... N  
 Hickman, K.C.D. .... C  
 Hopkins, C.C. .... M  
 Hopkins, R.S. .... BCM  
 Huggins, M.L. .... CB  
 Hutchinson, E.D. .... IK  
 Hutchison, C.F. .... C  
 Jones, L.A. .... BM  
 Kakinuma, H. .... CME
- Rochester, Cont'd**  
 Keutmann, E.H. .... N  
 Kochakian, C.D. .... NC  
 Kohl, W.J. .... BCF  
 Lawrence, J.S. .... N  
 Lerner, May L. .... N  
 Lovejoy, F.W. .... CO  
 McCann, W.S. .... N  
 McCoord, Miss A.B. .... CED  
 McCoy, O.R. .... FN  
 McLeod, J. II .... B  
 Mahoney, E.B. .... N  
 Malm, C.J. .... C  
 Markus, H.C. .... F  
 Mason, K.E. .... NF  
 Mees, C.E. K. .... BCD  
 Meneely, G.R. .... N  
 Meyer, Garson .... CMK  
 Miriam, Sister R. .... C  
 Mitrano, A.J. .... INO  
 Morrison, C.A. .... BD  
 Murlin, J.R. .... N  
 Noyes, Bradford .... BM  
 Noyes, W.A., Jr. .... CB  
 O'Brien, Brian .... BMN  
 Ott, J.L.G. .... B  
 Parker, A.C. .... HQ  
 Pearse, H.E. .... N  
 Perrin, Fred .... BD  
 Poser, Max .... N  
 Rawles, Miss M.E. .... F  
 Rayton, W.B. .... B  
 Scheck, M.G. .... I  
 Seidel, Vladimir .... ABD  
 Seymour, M.W. .... N  
 Shurrager, P.S. .... TNF  
 Simpson, R.B. .... EK  
 Singewald, Q.D. .... E  
 Smith, Burgess .... BC  
 Smith, Karl U. .... IF  
 Smith, P.J. .... A  
 Snell, A.C. .... N  
 Staud, C.J. .... C  
 Stephens, D.J. .... N  
 Stern, Curt .... F  
 Sterner, J.I. .... NC  
 Thomas, W.S. .... N  
 Trivelli, A.P.H. .... BC  
 VanWageningen, W.P. .... N  
 Watkeys, C.W. .... ABK  
 Wedd, A.M. .... N  
 Westwater, Waldo .... C  
 Whipple, G.H. .... N  
 White, A.B. .... BA  
 White, Miss E.C. .... FG  
 White, W.R. .... CNO  
 Wilkins, T.R. .... B  
 Wilsey, R.B. .... B  
 Wilson, K.M. .... N  
 Zak, T.J. .... CM
- Rockville Center**  
 Bassett, P.R. .... B  
 Colley, Mary W. .... G  
 Colley, R.I. .... G  
 Gilbert, R.W. .... I  
 Maure, K.L. .... BMA  
 Quinn, E.J. .... C  
 Scoles, D.L. .... CQO
- Rome**  
 Wolf, Louis E. .... FN
- Rosedale**  
 Weidner, C.I. .... CMP
- Roslyn**  
 Frick, Childs .... E
- Rye**  
 Barron, G.D. .... M  
 Bird, Henry .... F  
 Heuer, G.J. .... N

- Sandy Creek**  
Jackman, Miss M. R. . . G
- Sagaponack**  
Moore, J. B. . . . . K
- St. Albans**  
Burt, H. A. . . . . DB
- St. Bonaventure**  
O'Brien, Albert . . . ABH  
Scheier, M. A. . . . ABD  
Vecchierello, H. . . GPN
- St. George**  
Coles, R. S. . . . . EKL
- St. James**  
Olyphant, R. M. . . . M
- Saranac Lake**  
Brumfiel, D. M. . . . N  
Gardner, Leroy . . . . N
- Saratoga Springs**  
Baudisch, Oskar . . . CGB  
Crook, Dorothea J. . . I  
Crook, M. N. . . . . III  
Enloe, C. F. Jr. . . . NC  
Goodfellow, T. J. . . NFB  
Holmes, Stewart . . . C  
Hyde, K. C. . . . . GF  
MacArthur, E. H. . . CN  
McClellan, W. S. . . CN  
Markley, A. L. . . . C  
Mauzey, J. V. . . . KIN  
Mowry, Helen A. . . FNG  
Roshash, David . . . CNP  
Stewart, Miss D. R. . FN  
Strock, J. W. . . . . BCE
- Saugerties**  
Larned, S. J. . . . . M
- Sayville**  
Stoye, F. H. . . . . F
- Scarborough**  
Dakin, H. D. . . . . EHK  
Lewis, Harmon . . . EBQ  
Schutt, H. C. . . . . MCA
- Scarsdale**  
Bailey, Miss S. W. . . F  
Baumann, E. J. . . . N  
Benecke, Alex. . . . CN  
Bonsteel, W. J. . . . GNO  
Brown, W. M. . . . . HIO  
Fearing, J. L. . . . . BM  
Frey, C. N. . . . . CN  
Gregg, Alan . . . . . NO  
Kahle, R. C. . . . . N  
Lovejoy, F. W. . . . . F  
MacNeish, H. F. . . . ABD  
Meyer, A. S. . . . . KPE  
Pelz, E. J. . . . . KPE  
Read, T. T. . . . . M  
Reid, L. C. . . . . N  
Riess, B. F. . . . . IHF  
Schultz, Mrs. E. C. . PGN  
Sheehan, R. F. . . . . FN  
Starch, Daniel . . . . IO  
Weaver, Warren . . . AB  
Wilson, G. W. . . . . CBG
- Schenectady**  
Alexanderson, E. F. W. . MKI  
Alger, J. I. . . . . MQK  
Bacon, E. K. . . . . CO  
Benford, Frank . . . . B  
Berg, E. J. . . . . M  
Betts, Lester . . . . . N
- Schenectady, Cont'd.**  
Clark, L. B. . . . . FN  
Cohn, M. M. . . . . MNC  
Coolidge, W. D. . . . B  
Dale, E. E. . . . . G  
Dushman, Saul . . . . BC  
Eaton, T. H. Jr. . . . F  
Ellery, Edward . . . . C  
Ferguson, C. V. . . . B  
Fonda, G. R. . . . . CB  
Foster, W. J. . . . . M  
Found, C. G. . . . . B  
Gordon, N. T. . . . . C  
Grover, F. W. . . . . BMD  
Harrington, R. H. . . M  
Haskins, C. P. . . . CBE  
Hawkins, L. A. . . . MB  
Hobart, H. M. . . . MBI  
Hull, A. W. . . . . B  
Hurd, C. B. . . . . BC  
Kellert, Ellis . . . . NF  
Koller, L. R. . . . . B  
Langmuir, Irving . . . BC  
Ligon, E. M. . . . . I  
Lovejoy, J. R. . . . M  
Luhrr, Overton . . . . B  
March, J. L. . . . . IQF  
Mavor, J. W. . . . . F  
Merz, Paul . . . . . C  
Morse, D. S. . . . . A  
Navias, Louis . . . . CME  
Newkirk, B. L. . . . MBD  
Pauly, K. A. . . . . M  
Perry, C. L. . . . . M  
Porter, J. D. . . . . C  
Race, H. H. . . . . MBC  
Reist, H. G. . . . . BGM  
Rice, C. W. . . . . BAC  
Ruder, J. C. . . . . BM  
Seddon, J. C. . . . . BM  
Sluchter, W. J. . . . M  
Stanford, S. C. . . . C  
Studer, F. J. . . . . BA  
Taylor, J. B. . . . . BM  
Tullar, C. E. . . . . M  
Ulrich, Floyd . . . . AM  
Van Brunt, C. . . . . CBM  
Van Dyck, W. V. B. . . M  
Walker, B. M. . . . . CBM  
Whitney, W. R. . . . BC  
Willev, L. M. . . . . CE  
Wold, P. I. . . . . BD
- Scotia**  
Bousman, H. W. . . . M  
Reynolds, N. B. . . . BCL  
Seaward, C. R. . . . MCG  
Sellers, J. E. . . . . C
- Sea Cliff**  
Doebler, E. W. . . . MAB
- Seneca Castle**  
Ferguson, M. C. . . . G  
Ottley, Alice M. . . . G
- Setauket**  
Strong, J. B. . . . . MAQ
- Sherrill**  
Jones, E. L. . . . . CTM
- Shuhan**  
Dobbin, Frank . . . . G
- Skaneateles**  
Smith, Burnett . . . . EF
- Snyder**  
Elton, W. N. . . . . NBC
- Solvay**  
Terziev, G. N. . . . . C
- Sparkill**  
Gray, G. W. . . . .
- Spencerport**  
Carpenter, H. A. . . . QC
- Springwater**  
Craig, J. W. . . . . OG
- Staten Island**  
Davidheiser, Lee . . . CB  
Davis, W. T. . . . . F  
Deal, R. E. . . . . F  
Gibson, T. W. . . . . A  
Iddings, Carl . . . . . CB  
Johnston, F. A. . . . BCM  
Long, E. O. . . . . G  
Mardus, F. . . . . MKD  
Miller, Mrs. A. V. L. . . E  
Strauss, F. A. . . . . CM  
Wellnitz, Anna M. . . . B  
Welo, L. A. . . . . EO
- State School**  
Williams, H. D. . . . . IKQ
- Suftern**  
Ebeling, A. H. . . . . N
- Sunnyside**  
Schweitzer, M. D. . . FGN
- Syracuse**  
Allport, F. H. . . . . IK  
Apfel, E. T. . . . . E  
Bardwell, D. C. . . . C  
Bray, W. L. . . . . G  
Brightman, C. L. . . . BQ  
Brown, H. P. . . . . G  
Buell, H. D. . . . . C  
Carroll, I. S. . . . . AQ  
Cressey, G. B. . . . . E  
Davidoff, Eugene . . . NIQ  
Decker, F. F. . . . . A  
Dovener, R. F. . . . . M  
Eaton, H. N. . . . . E  
Egler, F. E. . . . . C  
Eichelberger, W. C. . . G  
Elder, A. L. . . . . CN  
Faust, Miss M. E. . . . G  
Fleming, R. S. . . . . C  
Flint, C. W. . . . . Q  
Forsyth, C. C. . . . . G  
Graham, W. P. . . . . BMD  
Groat, W. A. . . . . NBC  
Haring, D. G. . . . . HK  
Hildreth, H. M. . . . . I  
Hisey, W. O. . . . . CB  
Howe, L. B. . . . . M  
Humphreys, R. F. . . . B  
Illick, J. T. . . . . F  
King, R. T. . . . . FO  
Knowlton, F. P. . . . . NF  
McCroskey, C. R. . . . CBA  
McLaughlin, F. F. . . . PEM
- Syracuse, Cont'd.**  
Schramm, Edward . . . . C  
Sears, Nathan . . . . . N  
Sedgwick, Mrs. L. R. . . G  
Sedgwick, P. J. . . . . G  
Siewers, A. B. . . . . NIK  
Smallwood, W. M. . . . F  
Spafford, F. A. . . . . CBM  
Tavanlar, E. J. . . . . MAB  
Thelin, Ernst . . . . . IO  
Thomsen, Arnold . . . . IH  
Trump, E. N. . . . . MC  
Vannelli, Patsy . . . . C  
Vincent, G. I. . . . . M  
Weil, N. C. . . . . CM  
Weiskotten, H. G. . . . N
- Tarrytown**  
Anthony, M. V. . . . . FO  
D'Esopo, L. M. . . . . N  
Smith, B. G. . . . . FN
- Thiells**  
Humphreys, E. J. . . . NKQ  
Kinder, E. F. . . . . I  
Southwick, W. E. . . . FH
- Troy**  
Arnold, O. M. . . . . CBG  
Bray, A. W. L. . . . . FN  
Caird, J. M. . . . . CGN  
Carragan, G. H. . . . BMD  
Cass, Miss R. E. . . . FNG  
Clove, J. B. . . . . C  
Corwin, E. F. . . . . MB  
deForest, G. P. . . . MBA  
Fairfield, J. G. . . . . M  
Foster, C. H. . . . . M  
Gegenheimer, Vida . . . CNO  
Harris, H. D. . . . . MBA  
Hendee, Miss E. C. . . . FG  
Hill, S. E. . . . . FG  
Hotchkiss, W. O. . . . ME  
Hunter, M. A. . . . . CMB  
Luce, R. H. . . . . FG  
Lundin, Miss L. M. . . . BAD  
Marsh, J. P. . . . . NL  
Musgrave, R. S. . . . . IF  
Oglesby, N. E. . . . . C  
Palsgrove, G. K. . . . . MQ  
Patterson, R. A. . . . . B  
Rosenholtz, J. L. . . . EM  
Smith, Miss V. I. . . . NFB  
Stevens, H. . . . . M  
van Kloooster, H. S. . . . C  
Walker, Roland . . . . FG  
Wayman, W. E., Jr. . . . MBA  
Weaver, Katharine . . . C
- Trudeau**  
Kugler, O. E. . . . . FG  
Sampson, H. L. . . . . BNA
- Tuckahoe**  
Clarke, Miss M. F. . . . NC  
Cook, C. A. . . . . CN  
DeLice, Elvira . . . . . FN  
Faunce, W. M. . . . . QDF  
Lechucka, Marie . . . . C  
Randall, L. O. . . . . N  
Reiner, L. L. . . . . N  
Rolle, C. J. . . . . CB  
Sherwood, M. B. . . . . NFC
- Tuxedo Park**  
Keyes, E. L. . . . . N  
Loomis, A. L. . . . . BFG
- Unadilla**  
Ward, H. L. . . . . CB

Utica  
deLalla, Vincent ... NP  
Hussey, Miss H. M. ... KQI  
Trevvett, Edward ... E  
Valley Stream  
Cox, G. B. ... E  
Victor  
Lane, Laura A. ... NB  
Voorheesville  
Horton, R. E. ... M  
Wading River  
Kempf, E. J. ... IH  
Wanakena  
Dubuar, J. F. ... O  
Farnsworth, C. E. ... G  
Wantagh  
Palk, W. H. ... GOF  
Watertown  
Jennings, F. H. ... C  
Sillcox, L. K. ... KMP  
Westbury  
Hicks, Henry ... GQ

West New Brighton  
Crandall, W. R. ... C  
West Point  
Fenton, C. L. ... CM  
Young, W. J. ... GO  
West Sayville  
Glancy, J. B. ... MFN  
White Plains  
Boldt, H. J. ... N  
Brandes, F. C. ... M  
Curme, G. O., Jr. ... C  
Ellis, B. F. ... EHC  
Frankfurter, F. S. ... NP  
Meleney, Miss G. C. ... FGQ  
Norton, T. H. ... C  
Powers, Lillian D. ... FIN  
Ramsey, G. H. ... N  
Schwartz, C. W. ... N  
Sharp, C. H. ... MB  
Stacy, Leda J. ... N  
Tinklepaugh, O. L. ... IN  
Williamsville  
Schubert, H. J. P. ... KIQ  
Williston Park  
Englander, Harry ... M

Woodhaven  
Appuhn, W. E. F. ... M  
Axelrad, Sol ... NCB  
Beyer, H. G. ... B  
Woodmere  
Levene, Howard ... FGC  
Perry, H. M. ... I  
Kirshen, Jack ... CMB  
Sullivan, J. C. ... N  
Woodside  
Sullivan, J. C. ... Nd  
Woodstock  
Breithut, F. E. ... C  
Wynantskill  
Randall, J. J. ... N  
Yonkers  
Arthur, J. M. ... G  
Beale, Mrs. J. H. ... G  
Boettger, Robert ... MP  
Caldwell, O. W. ... QG  
Christmann, L. J. ... C  
Cox, E. O. ... DM  
Crocker, William ... G  
Denny, F. E. ... G  
Farr, Mrs. W. K. ... GC  
Folks, Homer ... K

Yonkers, Cont'd.  
Goodwillie, R. L. ... MPB  
Guthrie, J. D. ... GCO  
Hartzell, Albert ... FG  
Hawley, S. B. ... BM  
Hubert, W. G. ... A  
Johnston, Alva ... D  
Kittredge, G. W. ... M  
Knacke, Miss F. E. D. ... N  
McCallan, S. E. A. ... G  
McNiff, W. T. ... B  
Marine, David ... D  
Miller, L. P. ... GCO  
Miller, W. A. ... M  
Morris, Miss I. S. ... GFE  
Otis, A. S. ... OI  
Payne, Miss R. L. ... CBH  
Petsche, B. W. ... C  
Peiffer, Norma E. ... G  
Ryder, Ambrose ... MK  
Schmidt, C. H. ... CBO  
Smatko, J. S. ... MCB  
Smith, H. O. ... C  
Snow, C. H. ... MO  
Stevenson, E. L. ... E  
Taylor, Ewing ... N  
Vasti, Assunta ... NCK  
Wodehouse, R. P. ... GC  
Youden, W. J. ... HC  
Zimmerman, P. W. ... GO

## NORTH CAROLINA

Angier  
Mabry, Roger ... ..  
Asheville  
Billings, Otto ... NIH  
Buell, Jesse H. ... O  
Carroll, R. S. ... IN  
Colby, C. D. W. ... N  
Demaree, C. C. ... N  
Finster, Miss E. B. ... GFI  
Herbert, Albert ... ..  
Herbert, Miss J. ... ..  
Hinds, Miss E. A. ... FNG  
Murdoch, H. R. ... CM  
Perry, Louise M. ... N  
Russell, H. L. ... O  
Sullivan, D. J. ... N  
Westall, Miss M. ... G  
Wilford, B. H. ... OFG  
Ayden  
Leonard, E. M. ... AKG  
Beaufort  
Prytherch, H. F. ... F  
Biltmore  
Frothingham, E. H. ... O  
Norburn, M. E. ... EKL  
Black Mountain  
Dreier, Theodore ABM  
Lindsley, C. H. ... CQB  
Boone  
Burns, Z. H. ... IQ  
Ledbetter, Miss I. B. ... FG  
Buies Creek  
Gier, L. J. ... GFO  
Poplin, R. L. ... CIO  
Smith, R. E. ... A  
Chadbourn  
Thomas, W. A. ... F

Chapel Hill  
Beers, C. D. ... F  
Brecht, E. A. ... NpCG  
Brooks, L. M. ... KIH  
Bullitt, J. B. ... NH  
Burlage, H. M. ... NpCG  
Cameron, F. K. ... CMO  
Coker, R. E. ... F  
Coker, W. C. ... G  
Costello, D. P. ... F  
Couch, J. N. ... G  
Crane, H. W. ... IK  
Dashiell, J. F. ... I  
Donnelly, G. L. ... N  
Engels, W. L. ... F  
George, W. C. ... FN  
Groves, E. R. ... KIH  
Henderson, A. ... ABD  
Huddle, J. W. ... E  
Jensen, O. F. ... O  
Jordan, A. M. ... OI  
Low, F. N. ... NF  
McCampbell, J. C. ... EAB  
MacNider, Wm. de B. ... Np  
Manning, I. H. ... NC  
Menius, Arthur ... BA  
Odum, H. W. ... EHK  
Pliske, E. C. ... FNG  
Pratt, J. H. ... EMK  
Proudy, W. F. ... EHF  
Rice, O. K. ... BCA  
Rose, I. W. ... CNQ  
Rosenau, M. J. ... N  
Ruark, A. E. ... B  
Ryan, W. C. ... QIH  
Stuhlman, Otto, Jr. ... B  
Totten, H. R. ... G  
Vance, R. B. ... KEO  
Welch, S. W. J. ... IM  
Charlotte  
Anderson, R. L. ... FNG  
Barret, H. P. ... FN  
Culp, Miss T. ... NFG  
Graham, M. A. ... CBO  
Howe, Miss M. D. ... GFN  
Martin, W. F. ... N

Charlotte, Cont'd.  
Myers, J. O. ... N  
Walton, S. T. ... N  
Davidson  
Fulcher, H. E. ... B  
Lyon, S. C. ... FGC  
Porter, W. L. ... EF  
Thies, O. J., Jr. ... C  
Durham  
Addoms, Ruth M. ... GO  
Anderson, L. E. ... G  
Baker, R. D. ... N  
Beard, J. W. ... N  
Bernheim, F. ... NpF  
Berry, Willard ... EFG  
Bigelow, L. A. ... CQ  
Bird, H. C. ... M  
Blomquist, H. L. ... G  
Bookhout, C. G. ... F  
Brownell, W. A. ... QIK  
Bryan, W. R. ... N  
Bush, Gow ... FG  
Christenson, J. A., Jr. ... IQK  
Constant, F. W. ... BA  
Crispell, R. S. ... NIH  
Culbreth, Miss S. E. ... F  
Cunningham, B. ... FN  
Darkis, F. R. ... COG  
Eadie, G. S. ... Np  
Ellwood, C. A. ... KHI  
Everett, J. W. ... N  
Forbus, W. D. ... N  
Godbey, A. H. ... HEN  
Goudge, Mabel E. ... IN  
Graves, R. W. ... NB  
Gray, I. E. ... F  
Gross, Paul ... COB  
Hall, F. G. ... F  
Hamblen, E. C. ... N  
Hargitt, G. T. ... F  
Hauser, C. R. ... C  
Hetherington, D. C. ... NQF  
Hill, D. G. ... C  
Hollinshead, W. H. ... FN

Durham, Cont'd.  
Jeffers, Katharine R. ... F  
Jensen, H. E. ... KHI  
Johnson, M. W. ... F  
Korstan, C. F. ... OGG  
Kramer, P. J. ... G  
Loewenbach, Hans ... NF  
Lundholm, Helge ... I  
Nelson, E. W. ... L  
Neurath, Hans ... C  
Oosting, H. J. ... G  
Pearse, A. S. ... FN  
Pedersen, P. M. ... CAB  
Pierzweig, W. A. ... CN  
Perry, H. S. ... G  
Rhine, J. B. ... I  
Roberts, J. H. ... A  
Saylor, J. H. ... C  
Scates, D. E. ... QKI  
Smith, Mrs. S. G. ... NC  
Spengler, J. J. ... KOF  
Sprunt, D. H. ... N  
Stuart, C. E. ... I  
Swett, F. H. ... FN  
Thomas, J. M. ... A  
Vosburgh, W. C. ... C  
Wilson, R. N. ... C  
Wolf, F. A. ... G  
Youngstrom, K. A. ... NFI  
Elon College  
Bowden, D. J. ... IHIK  
Gravett, H. L. ... C  
Powell, T. E., Jr. ... FG  
Sprague, A. D. ... ABD  
Franklinton  
Adams, W. E. ... OGE  
Gastonia  
McKenzie, R. M. ... FG  
Gatesville  
Mitchell, R. W. ... CFQ  
Greensboro  
Banks, B. B. ... CBN  
Carlsson, Miss V. ... CQ

- Greensboro, Cont'd.**  
 Cooper, C.L. .... QIK  
 Duffy, Elizabeth .... I  
 Givley, J.P. .... FGE  
 Gove, Anna M. .... N  
 Kittrell, F.P. .... CFI  
 Lyle, G.R. .... L  
 Martin, W.W. .... IQN  
 Pegram, Annie M. .... A  
 Shohan, Joseph .... NKH  
 Smith, Martha E. .... C  
 Stanland, Miss M. .... IQK  
 Towns, M.B. .... CB  
 Warfield, C.N. .... BDN  
 Williams, Maude .... N  
 Young, Elizabeth B. .... Q
- Greenville**  
 Brandt, B.B. .... FO  
 Fleming, R.S. .... FGO  
 Guldedge, J.R. .... QL
- Gulford College**  
 Binford, R. .... FEG  
 Campbell, Miss E.G. .... N  
 Field, Miss A.M. .... CQ
- Hamlet**  
 Lambeth, Miss E. .... GFC
- Hickory**  
 Morgan, K.Z. .... BAM
- High Point**  
 Flagge, P.W. .... N  
 Hill, B.H. .... FGN
- Laurinburg**  
 Griggs, Mary A. .... CBQ
- Linville Falls**  
 Moore, H.F. .... F
- Manteo**  
 Settel, Sylvan .... OG
- Mars Hill**  
 Tientham, S.O. .... GFE
- Mocksville**  
 Hairston, N.G. .... FG
- Morganton**  
 Vernon, J.W. .... N
- Mt. Glead**  
 Andrews, G.R. .... KIF
- New Holland**  
 Johnson, M.S. .... F
- Oxford**  
 Moss, E.G. .... O
- Pinehurst**  
 Wicker, R.E. .... G
- Raleigh**  
 Anderson, D.B. .... G  
 Barber, Miss L.A. .... FG  
 Boomhour, Miss E.G. .... GO  
 Boomhour, J.G. .... B  
 Bostian, C.H. .... FG  
 Browne, W.H., Jr. .... QMB  
 Buell, M.F. .... G  
 Burling, L.D. .... EQK  
 Clevenger, C.B. .... O  
 Constable, E.W. .... CBM  
 Cooper, Margaret M. .... C  
 Cotner, J.B. .... O  
 Dearstyne, R.S. .... O  
 Fulton, B.B. .... F  
 Gardner, M.E. .... O  
 Garrison, K.C. .... IQ  
 Greaves-Walker, A.F. .... M  
 Grimshaw, A.H. .... C  
 Halverson, J.O. .... CFN  
 Harvey, P.H. .... G  
 Henderson, E.H. .... ILK
- Raleigh, Cont'd.**  
 Jordan, W.E. .... CBO  
 Kerr, Thomas .... G  
 Lehman, S.G. .... G  
 Lineberger, H.O. .... Nd  
 Lovvorn, R.L. .... OG  
 McCutcheon, F.H. .... FN  
 Meares, J.S. .... BAM  
 Metcalf, Z.P. .... FO  
 Miles, I.E. .... OCE  
 Miller, W.D. .... OFG  
 Mitchell, T.B. .... F  
 Moore, J.H. .... GO  
 Poole, R.F. .... GO  
 Rhodes, L.B. .... CBE  
 Satterfield, G.H. .... CFO  
 Shaw, K.J. .... GFO  
 Sherwood, F.W. .... CON  
 Shunk, I.V. .... GN  
 Singer, W.E. .... CB  
 Smith, B.W. .... GO  
 Stuckey, J.L. .... E  
 Thomas, D.B. .... BA  
 Watson, James .... I  
 Wells, B.W. .... G  
 West, Gladys F. .... G  
 Williams, C.F. .... GO  
 Williams, C.B. .... O  
 Williams, L.F. .... C  
 Yarbrough, M.E. .... CNO
- Red Springs**  
 Prince, Miss V.D. .... ABF  
 Stump, Alexander .... FGO  
 White, J.T., Jr. .... EFG
- Reidsville**  
 Klenner, F.R. .... NFG
- Salisbury**  
 Braun, M.L. .... BDA  
 Conrad, Mary E. .... FCG  
 Gray, Miss Cora E. .... NQ  
 Ramsey, G.G. .... C  
 Wentz, B.A. .... I
- Southern Pines**  
 Barksdale, W.L. .... O  
 Mudgett, W.C. .... N
- Statesville**  
 Stitt, R.E. .... OG
- Swannanoa**  
 Jensen, H.W. .... G
- Tarboro**  
 Zoeller, E.V. .... CKNp
- Tryon**  
 Dodge, Raymond .... I  
 Roberts, Miss H.H. .... HLN
- Wake Forest**  
 Bradbury, O.C. .... F  
 Cocke, E.C. .... FG  
 Isbell, R.N. .... C  
 Kitchin, T.D. .... N
- Willard**  
 Meckstroth, G.A. .... GF
- Wilmington**  
 Lancaster, W.J. .... N  
 Sellers, W., Jr. .... CBN  
 Willoughby, J.E. .... MEB
- Wilson**  
 Saliba, Michel .... NIH
- Wingate**  
 Lovelace, Miss R. .... FG
- Winston-Salem**  
 Cooke, G.C. .... NM  
 Frost, Thomas .... NBC  
 Johnson, W.M. .... N

## NORTH DAKOTA

- Bismarck**  
 Henderson, R.W. .... NF  
 Murray, Miss M. .... IQK  
 Will, G.F. .... HOL
- Dickinson**  
 Moomaw, Leroy .... OGK
- Fargo**  
 Bolley, H.L. .... G  
 Brentzel, W.E. .... GO  
 Brentzel, W.W. .... G  
 Christensen, F.W. .... CNO  
 Churchill, O.O. .... O
- Fargo, Cont'd.**  
 Eversull, Frank .... QI  
 Flor, H.H. .... G  
 Griffith, M.E. .... F  
 Helgeson, E.A. .... G  
 Higgins, E.C. .... GEO  
 Mattson, Harold .... OG  
 Sprague, Roderick .... G  
 Stevens, O.A. .... FG  
 Swisher, C.L. .... BM  
 Waldron, C.B. .... O  
 Waldron, L.R. .... OG  
 Walster, H.L. .... GO  
 Whedon, A.D. .... F  
 Whitman, W. .... GOE
- Grand Forks**  
 Breitwieser, J.V. .... I  
 Chandler, E.F. .... DM  
 Harrington, L.C. .... CM  
 Kjerstad, C.L. .... IQ  
 Saiki, A.K. .... NC  
 Talbert, G.A. .... N  
 Weber, N.A. .... FG  
 Wheeler, G.C. .... F  
 Youngs, N.A. .... NC
- Jamestown**  
 Burr, A.C. .... CMQ  
 Cobb, F.E. .... GOH  
 Jackson, T.W. .... AB
- Jamestown, Cont'd.**  
 Knight, G.N. .... FG  
 Thomas, W.B. .... B
- Mandan**  
 Brinsmade, J.C., Jr. .... OG  
 Sarvis, J.T. .... O  
 Thysell, J.C. .... OBA
- Milnor**  
 Dressel, E.D. .... OGK
- University**  
 Oliver, A.R. .... EGK

## OHIO

- Ada**  
 Dobbins, R.A. .... G  
 Huber, H.E. .... FG  
 Ranbe, R.H. .... NpC
- Akron**  
 Acquarone, Paul .... G  
 Albright, R.W. .... C  
 Baker, M.R. .... NAC  
 Blaker, Ernest .... BC  
 Caplin, Sam .... GBE  
 Compton, Jack .... CGB
- Akron, Cont'd.**  
 Cook, W.A. .... CAN  
 Cool, R.D. .... C  
 Dinsmore, R.P. .... C  
 Fox, R.D. .... N  
 Garvey, B.S., Jr. .... C  
 Gray, D.E. .... B  
 Gray, Harold .... CM  
 Haas, E.G. .... CBO  
 Held, C.E. .... N  
 Herschkowitz, Joseph F.  
 Hansen, Mrs. H.Z. .... FG  
 Jones, E.P. .... FNC
- Akron, Cont'd.**  
 Jones, P.C. .... C  
 Knight, C.M. .... BC  
 Kraatz, W.C. .... F  
 Oenslager, George .... C  
 Pechukas, A. .... CMP  
 Potter, F.C. .... N  
 Steink, C.R. .... N  
 Stiehler, R.D. .... CNE  
 Stover, Miss A.C. .... N  
 Street, J.N. .... C  
 TenBroeck, W.T.L. .... C
- Alliance**  
 Burrell, Miss C.M. .... FGO  
 Engle, O.H. .... F  
 Lamb, G.F. .... E  
 Morgan, Wm. M. .... C  
 Pappenhagen, L.A. .... C  
 Scott, J.M. .... FN  
 Zang, LeRoy L. .... O
- Arcanum**  
 Sigerfoos, C.P. .... F

**Ashland**

Auten, Mary ..... F  
 Jacobs, E.E. .... F  
 Kirkland, Miss A. QIH

**Ashtabula**

Burroughs, S.H. .... N

**Ashville**

Richey, F.D. .... GO

**Athens**

Benz, H.E. .... QA  
 Boetticher, A.W. .... GF  
 Copeland, W.F. .... G  
 Kreckler, F.H. .... F  
 Lehman, H.C. .... IO  
 McClure, O.E. .... B  
 Marquis, R.H. .... ABD  
 Matheny, W.A. .... FG  
 Morton, J.R. .... C  
 Morton, R.L. .... QIA  
 Porter, J.P. .... I  
 Reed, F.W. .... A  
 Roseberry, H.H. .... B  
 Rowles, Emmett .... N  
 Sias, A.B. .... QKA  
 Stehr, W.C. .... F

**Barberton**

Chenicek, A.G. .... CBP  
 Corey, F.B. .... M  
 Harter, Isaac .... M  
 Mader, E.O. .... GOC  
 Muskat, I.E. .... CMN  
 Stoner, G.G. .... C

**Bellevue**

Geist, D.E. .... FGO  
 Tanger, William OGB

**Bellevue**

Appleby, J.I. .... N

**Berea**

Dorcas, M.J. .... C  
 Fulmer, E.L. .... G  
 Longdon, Miss E.A. .... O  
 Reed, J.F. .... GFN  
 Unnewehr, E.C. .... B

**Bluffton**

Hirschler, E.J. .... AD  
 Moon, Miss M'D. GFE

**Bowling Green**

Dickerman, E.E. .... FG  
 Hall, W.H. .... CBA  
 Martin, Clare .... CB  
 Moseley, E.L. .... FGE  
 Otis, C.H. .... FG  
 Overman, J.R. .... AO  
 Singer, W.E. .... BDA  
 Slater, L.B. .... I  
 Todd, H.B. .... NIK  
 Tunncliffe, R.M. QIF

**Brecksville**

Warner, M La Vinia . I

**Burton**

Ferry, Thomas .... C

**Canal Winchester**

Bareis, G.M. .... ABD

**Celina**

Spieler, A.J. .... CB

**Chagrin Falls**

Frohring, W.O. .... NC  
 Jones, O.N. .... MOB  
 Wyeno, Juro .... C

**Chillicothe**

Bower, R.E. .... N  
 Ruff, H.T. .... CMB  
 Traquair, John .... CB

**Cincinnati**

Abramson, D.I. .... N  
 Adams, P.D. .... CN  
 Alexander, L.M. BAM  
 Allen, Samuel .... B  
 Arensen, S.B. .... C  
 Arlitt, Ada Hart . HIQ  
 Austin, R.S. .... N  
 Baber, E.A. .... N  
 Balinkin, Isay A. .... B  
 Barbour, G.B. .... E  
 Bates, E.W. .... KOI  
 Benjamin, J.E. .... NFI  
 Bills, A.G. .... I  
 Blankenhorn, M.A. .... N  
 Bode, M.J. .... N  
 Boyd, M.J. .... CN  
 Brand, Louis .... ABD  
 Braun, A.F. .... F  
 Braun, E. Lucy .... G  
 Brinley, F.J. .... F  
 Brodie, R.K. .... C  
 Brown, Samuel .... N  
 Brown, W.E. .... N  
 Bucher, W.H. .... E  
 Carter, B.N. .... N  
 Caster, K.E. .... EF  
 Clifford, A.T. .... CBO  
 Cobb, Miss Tabitha FG  
 Colvin, J.W. .... NB  
 Cook, E.S. .... CN  
 Cooper, M.L. .... N  
 Crane, James .... CM  
 Dabney, C.W. .... ECK  
 Dalve, J.A. .... MC  
 Dhonau, C.O. .... N  
 Diserens, C.M. .... IHK  
 Dock, Howard .... C  
 Dorst, S.E. .... N  
 Doughty, Wm.M. .... N  
 Dreyer, W.A. .... FGN  
 Drucker, Ned .... MCB  
 Dunham, Kennon .... N  
 Eby, S.L. .... QI  
 Eckstein, Gustav NFH  
 Faig, J.T. .... M  
 Felts, W.M. .... EMC  
 Fenneman, N.M. .... E  
 Fernald, Mabel . IQH  
 Ferris, E.B. Jr. .... N  
 Fischer, M.H. .... N  
 Flarsheim, E.S. .... N  
 Forsbeck, F.C. .... N  
 Foshay, Lee .... N  
 Freiberg, J.A. .... N  
 Fromm, E.P. .... N  
 Fry, H.S. .... N  
 Fulford, Miss M.H. EG  
 Garber, H.J. .... MCQ  
 George, Anthony .... C  
 Gerwe, E.G. .... MC  
 Goldblatt, Samuel .... N  
 Goldman, Douglas .... N  
 Good, C.V. .... QI  
 Goosmann, Charles .... N  
 Gowdy, R.C. .... BAM  
 Green, M.W. .... NC  
 Greene, H.S. .... CN  
 Guest, G.M. .... N  
 Hamburger, Morton N  
 Heidelberg, George N  
 Hendrickson, G. .... QI  
 Herrmann, L.G. .... N  
 Heyroth, F.J. .... CN  
 Highberger, J.H. .... CN  
 Hinnen, G.A. .... NFG  
 Hirtle, D.S. .... CBA  
 Hobson, L.B. .... FNC  
 Hoppah, Ethel .... NCA

**Cincinnati, Cont'd.**

Horst, Paul .... IKO  
 Hoskins, J.H. .... GE  
 Hoskins, J.K. .... M  
 Iglaue, Samuel .... N  
 Jackson, D.E. .... N  
 Kehoe, R.A. .... N  
 Kersten, H.J. .... BAM  
 Kile, Roy L. .... N  
 Krug-Brady, Mrs O. .... IN  
 Kuenzel, Miss M.W. . I  
 Lambert, Ray .... B  
 Lang, Alphonse .... F  
 La Valle, J.C.E. .... NTK  
 LeBlanc, T.J. .... KFG  
 Levine, B.S. .... CN  
 Levine, Maurice .... NI  
 Lillick, Lois C. .... G  
 Lloyd, J.T. .... FNP  
 Loofbouow, J.R. BCN  
 Lurie, L.A. .... NTC  
 McGuire, Johnson .... N  
 Machle, Willard .... N  
 MacMillan, H.W. .... Nd  
 Malone, E.F. .... N  
 Malone, John .... PNG  
 Marsh, D.G. .... NpC  
 Mathews, A.P. .... CNF  
 Mills, C.A. .... N  
 Mirsky, I.A. .... N  
 Mitchell, A.G. .... N  
 Moore, C.N. .... A  
 More, L.T. .... B  
 Morris, R.S. .... N  
 Muegel, H.R. .... G  
 Muchmann, Paul AD  
 Muhlberg, Wm. .... N  
 Nippert, E.C. .... L  
 O'Flaherty, Fred MNF  
 Opp, C.J. .... CBF  
 Pattison, C.E. .... Q  
 Perry, J.C. .... F  
 Pfister, Miss M. .... CM  
 Presnell, A.K. .... N  
 Purdy, W.C. .... FGN  
 Rapoport, Samuel .... N  
 Ray, F.E. .... CM  
 Reed, R.F. .... C  
 Reid, M.R. .... NO  
 Rich, J.L. .... E  
 Richter, Ernst .... N  
 Robinson, H.W. .... C  
 Rollman, M.E. .... MBA  
 Rose, L.S. .... M  
 Rueggesser, James N  
 Sabin, A.B. .... N  
 Salisbury, R.K. .... G  
 Sanders, Miss A.W. .... ADE  
 Schiff, Leon .... N  
 Schmidt, Ida G. .... F  
 Schmidt, L.H. .... NFC  
 Schmieder, L. .... B  
 Schmitt, W.R. .... NC  
 Schroth, H.H. .... M  
 Sisson, Chas. H. .... MCB  
 Smith, Elliott .... DE  
 Snoddy, A.O. .... C  
 Solter, Walter .... B  
 Sperti, G.S. .... NBC  
 Springer, Alfred .... C  
 Stewart, DeLisle . D  
 Strachley, C.J. .... N  
 Streeter, H.W. .... MNA  
 Talbert, E.L. .... HI  
 Tashiro, Shiro .... CFN  
 Tedesche, L.G. .... N  
 Tour, R.S. .... M  
 Trinkle, Fred .... N  
 Tucker, D.A. .... N  
 Vaughn, James .... J  
 VonSchlichten, O.C. E  
 Waldbott, Sigmund . C

**Cincinnati, Cont'd.**

Walker, P.F. .... N  
 Wallace, E.W. .... NpCB  
 Walters, Raymond . Q  
 Ward, Robert .... N  
 Warren, M.R. .... NpFC  
 Wedum, A.G. .... NC  
 Weichert, C.K. .... F  
 Werk, Louis .... C  
 Wieman, H.L. .... F  
 Wilson, M.M. .... CBN  
 Wilson, O.T. .... GO  
 Wolfman, W.H. .... N  
 Yowell, E.T. .... DA  
 Zwick, K.G. .... NCF

**Circleville**

Bosworth, A.W. .... CN

**Cleveland**

Ackerman, Lloyd . FN  
 Adams, E.Q. .... CBI  
 Albrecht, G.M. .... BM  
 Albright, J.G. .... B  
 Aldrich, J.W. .... FG  
 Anderson, R.G. .... FN  
 Arnold, E.A. .... CMB  
 Ayres, L.P. .... QK  
 Bacon, F.J. .... GNC  
 Baker, Ida M. .... A  
 Barber, C. Glenn .... N  
 Barthelman, C.H. DBC  
 Batchelor, H.D. .... C  
 Baxter, M.F. .... I  
 Bayless, Francis .... N  
 Beard, E.E. .... N  
 Beck, C.S. .... N  
 Bellamy, G.A. .... IKQ  
 Bemisderfer, F.R. .... Q  
 Berger, S.S. .... NIF  
 Bevers, Plex T. .... MOC  
 Billingsley, F.Y. .... I  
 Blumenfeld, C.M. .... NF  
 Bodan, David .... NF  
 Bole, Mrs. B.P. .... FGE  
 Bule, B.P. Jr. .... FGE  
 Booth, H.S. .... C  
 Broadbent, B.H. NdIF  
 Bunts, A.T. .... N  
 Burlington, R. .... ABM  
 Burk, R.E. .... C  
 Burke, F.D. .... C  
 Buttaph, L.J. .... BC  
 Case, G.S. .... MK  
 Charo, W.J. .... N  
 Clausen, Fred .... N  
 Cleveland, Miss M. C  
 Cohen, M.B. .... N  
 Cole, H.N. .... N  
 Coleman, J.F. .... MQB  
 Collett, Mary E. .... FN  
 Colton, H.S. .... CM  
 Considine, D.M. MCA  
 Corlett, W.T. .... N  
 Craig, P.H. .... BM  
 Crile, G.W. .... N  
 Cushing, F.H. .... N  
 Dambach, Miss M.C. .... NCQ  
 Davy, E.D. .... CN  
 Delenk, W.N. .... N  
 DeMarinis, Frank . FC  
 Devers, P.K. .... MCB  
 Dice, Miss M.E. .... NCB  
 Dietz, David .... DBF  
 Doig, Miss I. .... IQ  
 Doull, J.A. .... N  
 Eckerson, S.H. .... G  
 Eddy, C.L. .... M  
 Ellis, A.C. .... IO  
 Ellims, J.W. .... MCB  
 Emeny, Brooks . KEM  
 Emmons, J.V. .... MCB  
 Erf, H.A. .... B

## Cleveland, Cont'd.

Ernstene, A.C. .... N  
 Feil, Harold ..... N  
 Fiedner, Miss F. QFG  
 Focke, T.M. .... ABM  
 Forsythe, W.E. .... B  
 Friedlander, S.O. .... N  
 Front, Miss J. .... CNB  
 Gardner, W.M. .... NdO  
 Geib, F.J. .... CFN  
 Gerstenberger, H.J. .... N  
 Gerlach, George ..... CGN  
 Gibson, F.S. .... N  
 Gillin, Miss G.M. FGD  
 Glass, S.W. .... C  
 Glasier, Otto ..... B  
 Goldblatt, Harry ..... N  
 Graff, A.R. .... MC  
 Grant, U.S., III ..... M  
 Gray, J.C. .... F  
 Green, H.W. .... KMN  
 Greider, C.E. .... CBM  
 Greulich, W.W. .... HN  
 Grossenbacher, Otto ..... N  
 Guener, Hippolyte ..... C  
 Gurnee, Herbert ..... I  
 Gyorgy, Paul ..... N  
 Haag, A.T., Jr. .... GFO  
 Haden, R.L. .... N  
 Hall, C.S. .... I  
 Hall, Mrs. C.S. .... C  
 Harris, A.S. .... NIF  
 Harris, J.P. .... FGL  
 Hatlie, L.M.R. .... C  
 Heath, Roy E. .... CBI  
 Helm, E.B. .... N  
 Herlick, P.H. .... F  
 Herron, J.H. .... MBE  
 Hersh, A.H. .... F  
 Heymann, Walter ..... NC  
 Hill, T.J. .... Nd  
 Hitchings, G.H. .... CN  
 Hodgman, C.D. .... B  
 Hoerr, N.L. .... NC  
 Holden, Mrs. L.E. .... N  
 Holladay, L.L. .... BM  
 Hoover, P.L. .... MAB  
 Horvorka, Frank ..... C  
 Huggins, R.A. .... F  
 Hunscher, H.A. .... NC  
 Ickes, Miss M. .... FHG  
 Ingalls, N.W. .... HNF  
 Ingraham, E.S., Jr. .... N  
 Janney, J.E. .... I  
 Jeffries, Zay ..... MC  
 Johnson, H.H. .... N  
 Joliat, J.S. .... CBE  
 Kalin, Joseph ..... N  
 Karsner, H.T. .... N  
 Kerbaugh, Miss J.L. CN  
 Keyes, J.E.L. .... N  
 Kline, B.S. .... N  
 Kline, H.B. .... CAB  
 Lankelma, H.P. .... C  
 Leith, Andrew ..... E  
 Leutner, W.G. .... LKQ  
 Lind, S.C. .... NTO  
 Lowell, Frances ..... IQ  
 Lower, W.E. .... N  
 Luckey, Miss B.M. IKQ  
 Luckiesh, M. .... BTM  
 Lumer, Hyman ..... F  
 Lundin, C.A.R. .... D  
 McCullagh, D. Roy ..... N  
 McCuskey, S.W. DAB  
 Mack, C.O. .... PG  
 Maltry, Miss A.B. NFG  
 Maron, S.H. .... CBM  
 Marshall, G.G. .... CEF  
 Martin, W.L. .... M  
 McGrail, E. .... N  
 Miller, J.E. .... BCM  
 Miller, D.C. .... BD  
 Millis, John ..... BDE

## Cleveland, Cont'd.

Mize, R.C. .... BOA  
 Moore, J.S. .... IQ  
 Morris, Max ..... A  
 Mull, J.W. .... CN  
 Musgrave, Myrl ..... N  
 Myers, G.C. .... FI  
 Myers, V.C. .... N  
 Nassau, J.J. .... A  
 Neal, N.A. .... N  
 Obenchain, J.B. .... NH1  
 Oelschlager, J.M. .... NdEL  
 Osborn, W.O. .... CM  
 Parker, A.L. .... M  
 Peskind, Arnold ..... N  
 Peskind, Samuel ..... N  
 Peterson, V.R. .... G  
 Pfanstiel, Robert ..... C  
 Piel, Miss A.E. .... G  
 Pomerene, Elizabeth ..... C  
 Porter, L.C. .... M  
 Prian, Vasily D. .... MOA  
 Price, W.A. .... NdC  
 Pulsifer, H.B. .... CMQ  
 Quiring, D.P. .... F  
 Rasmussen, E.V. .... K  
 Redfield, Charles ..... IN  
 Reichle, H.S. .... N  
 Renner, R.R. .... NHF  
 Ricker, C.W. .... MBC  
 Roberts, W.A. .... CBO  
 Roney, H.B. .... F  
 Roohk, H.V. .... MBA  
 Rubenstein, B.B. .... NTF  
 Sawyer, C.B. .... CBM  
 Schumacher, H.C. .... NI  
 Schwartz, H.A. .... MCB  
 Scott, R.W. .... NC  
 Scripture, E.W., Jr. .... CMB  
 Seaver, Gilbert ..... M  
 Seely, Warner ..... D  
 Sessions, F.L. .... MBC  
 Sessions, W.C. .... MB  
 Shirley, G.S. .... N  
 Sidlo, T.L. .... CIN  
 Siegel, M.L. .... N  
 Sillman, F.E. .... QFG  
 Simon, W.G. .... A  
 Simpson, B.R. .... IQ  
 Smith, A.K. .... CB  
 Smith, E.C. .... C  
 Smith, Miss V.B. .... EKG  
 Soilmann, T.H. .... Np  
 Spease, Edward ..... CNp  
 Speer, H.E. .... NCK  
 Stearns, H.A. .... B  
 Stecher, R.M. .... N  
 Stillson, W.C. .... Nd  
 Sutton, R.C. .... K  
 Taylor, Lester ..... CTN  
 Thomas, C.F. .... A  
 Tinker, G.H. .... M  
 Toomey, J.A. .... N  
 Tower, O.F. .... C  
 Travis, R.C. .... I  
 Turnbull, David ..... CB  
 Visscher, J. Paul ..... F  
 Vollmayer, L.J. .... B  
 von Fischer, Wm. .... CPO  
 Vosmik, C.J. .... HND  
 Waite, F.C. .... FN  
 Ward, Samuel ..... M  
 Ware, E.E. .... CMO  
 Watts, Mrs. N.P. .... N  
 Wear, J.T. .... N  
 Weitzel, N.C. .... NAB  
 Wheeler, Miss N.L. .... E  
 White, T.H. .... KQ  
 Wickenden, W.E. .... MQ  
 Wiggers, C.J. .... NBO  
 Williams, A.B. .... FGE  
 Winkler, J. Homer ..... C

## Cleveland, Cont'd.

Woodruff, Miss B.H. F  
 Yeakel, E.H. .... F  
 Columbus  
 Abernathy, E.R. .... OI  
 Akeroyd, Jos.H. .... NC  
 Alexander, W.H. .... B  
 Anacletus, Sister M. FG  
 Angerer, C.A. .... F  
 Atherton, J.B. .... MBA  
 Barrows, W.M. .... F  
 Bateman, J. Fremont ..... N  
 Baumgartner, L.L. .... FGO  
 Baur, L.S. .... C  
 Berry, C.S. .... QIK  
 Burkland, J.M. .... N  
 Blake, F.C. .... B  
 Blaydes, G.W. .... GOQ  
 Blumberg, Henry ..... A  
 Boord, C.E. .... C  
 Borrer, D.J. .... F  
 Boyd, J.E. .... MB  
 Bozler, Emil ..... BN  
 Brenholts, Roy ..... M  
 Brown, H.D. .... OG  
 Brumley, O.V. .... N  
 Burrell, R.C. .... CGO  
 Burtt, H.E. .... I  
 Busch, K.G. .... COE  
 Cahoon, G.P. .... QBC  
 Caldwell, F.C. .... BM  
 Campbell, F.L. .... F  
 Capell, L.T. .... C  
 Carman, J.E. .... E  
 Chapman, A.G. .... GEO  
 Charters, W.W. .... Q  
 Christensen, B.V. .... GNC  
 Clifton, Miss D.E. .... IQ  
 Coburn, C.A. .... I  
 Cotterman, C.W. .... F  
 Cottingham, K. .... E  
 Crane, E.J. .... C  
 Ciowli, G.S. .... G  
 Croxton, F.C. .... C  
 Cullen, Sister M.U. .... FGC  
 Cullinan, Sister M.C. .... IQ  
 Cummings, W.H. .... OGF  
 Cunningham, J.F. .... O  
 Curtis, George ..... NF  
 DeLong, D.M. .... FO  
 Depew, H.A. .... C  
 Doan, C.A. .... N  
 Dockeray, F.C. .... I  
 Dodd, D.R. .... OQE  
 Dunn, A.H. .... N  
 Durrant, E.P. .... FN  
 Edgerton, H.A. .... IQA  
 Edwards, L.F. .... NF  
 Erf, Oscar ..... O  
 English, H.B. .... IQH  
 Evans, W.L. .... C  
 Fernelius, W.C. .... C  
 Fidler, R.S. .... N  
 Fischer, R.P. .... IN  
 Folk, S.B. .... MQK  
 Fouik, C.W. .... C  
 France, W.G. .... CBA  
 French, T.E. .... M  
 Garrett, A.B. .... C  
 Gaw, E.A. .... IK  
 Geist, R.M. .... FEN  
 Gillin, John ..... HKI  
 Goddard, H.H. .... IO  
 Goslin, Robert ..... HF  
 Goss, L.W. .... N  
 Grossman, J.D. .... NF  
 Grover, William ..... CAN  
 Growdon, C.H. .... I  
 Hall, J.A. .... N  
 Hamilton, F.E. .... N

## Columbus, Cont'd.

Harder, O.E. .... C  
 Hartman, F.A. .... FN  
 Hayhurst, E.R. .... N  
 Henderson, W.E. .... CO  
 Herndon, L.K. .... CM  
 Hicks, L.E. .... GFE  
 Hirsch, Gustav ..... M  
 Hitchcock, Fred ..... NF  
 Hockett, Elmer ..... C  
 Hodge, E.S. .... CBD  
 Hollingsworth, M. .... C  
 Hoover, K.B. .... CN  
 Howard, N.F. .... FO  
 Hudson, N. Paul ..... N  
 Humphrey, S.S. .... G  
 Huntington, C.C. .... EK  
 Jones, C.H. .... GE  
 Judd, Horace ..... M  
 Kennedy, C.H. .... F  
 Kennedy, L.W. .... NIB  
 Kerr, T.H. .... MO  
 Kissane, R.W. .... N  
 Kitchin, P.C. .... NdFG  
 Knauss, H.P. .... B  
 Knight, W.A. .... M  
 Knouff, R.A. .... NF  
 Knox, G.W. .... F  
 Kostir, W.J. .... I  
 Lamey, C.A. .... EM  
 Lampe, Lois ..... CFG  
 Lande, Alfred ..... B  
 LaPaz, Lincoln ..... ADE  
 Lee, H.C. .... CEM  
 Leighton, J.A. .... IHK  
 Lewis, J.M. .... KHL  
 Lewis, R.D. .... OB  
 Liming, F.G. .... G  
 Lumley, F.E. .... K  
 McCaughey, W.J. .... CEB  
 Mack, Edward, Jr. .... CB  
 MacLachy, J.H. .... IQ  
 McPeck, Clayton ..... N  
 McPherson, Wm. .... C  
 MacQuigg, C.E. .... MQ  
 McVicker, M.H. .... OC  
 Magill, M.A. .... CBN  
 Manson, E.S. .... D  
 Marquis, F.W. .... M  
 Mateer, Florence ..... I  
 Mattingly, H.E. .... FGC  
 Maxfield, F.N. .... IO  
 Mendenhall, E.W. .... KF  
 Meyer, B.S. .... G  
 Miller, D.F. .... FON  
 Miller, J.A. .... FG  
 Morgan, Richard ..... H  
 Morrey, C.B. .... FN  
 Morris, C.T. .... M  
 Moyer, H.V. .... CNO  
 Nold, Harry ..... EMO  
 Okey, Perry ..... BCD  
 Olpin, A.R. .... BCQ  
 Orr, Glover L. .... CBO  
 Osborn, Herbert ..... FO  
 Osborn, H.T. .... F  
 Osburn, R.C. .... F  
 Paddock, Wendell ..... O  
 Paffenbarger, R.S. .... MQC  
 Park, Jay B. .... GO  
 Parker, M.M. .... INF  
 Pence, J.O. .... MCA  
 Peterson, Alvah ..... F  
 Pool, M.L. .... B  
 Popham, R.A. .... GO  
 Postle, Wendell ..... Nd  
 Powell, R.W. .... MB  
 Pressey, S.L. .... IQ  
 Price, J.W. .... FN  
 Price, Joseph ..... N  
 Purdy, R.C. .... CM  
 Rado, T. .... A  
 Rappalrie, J.H. .... I

**Columbus, Cont'd.**

Rasor, S.E. ... ABO  
 Renshaw, Samuel ... HI  
 Ring, D.T. ... E  
 Ring, G.C. ... N  
 Robinson, F.P. ... IQ  
 Rosebrook, Wilda ... IQK  
 Russell, G.O. ... BIL  
 Russell, H.W. ... BCA  
 Sampson, H.C. ... G  
 Samuels, M.L. ... CEM  
 Scofield, H.T. ... G  
 Scott, Miss J.D. ... CBN  
 Settles, J.C. ... MAB  
 Seymour, R.J. ... NF  
 Shetrone, H.C. ... H  
 Shinowara, G.Y. ... NC  
 Sims, G.P. ... NBL  
 Singer, S.A. ... A  
 Slipper, John ... OE  
 Smith, Alphaeus ... B  
 Smith, Alva W. ... B  
 Smith, C.S. ... NCO  
 Smith, Guy Harold ... E  
 Snyder, L.H. ... F  
 Spieker, E.M. ... E  
 Starr, W.A. ... N  
 Steckle, L.C. ... IFN  
 Stinson, K.W. ... MBO  
 Stone, J.F. ... M  
 Stone, W.H. ... POK  
 Stout, Wilber ... E  
 Stover, W.G. ... G  
 Swartley, J.C. ... O  
 Taylor, W.A. ... G  
 Thomas, E.S. ... FG  
 Thomas, L.H. ... BAD  
 Tidd, W.M. ... F  
 Toops, H.A. ... QIA  
 Transeau, E.N. ... G  
 Tucker, H.H. ... OCF  
 Turnbull, W.D. ... M  
 Valentine, W.L. ... IFH  
 Van Cleef, Eugene ... EP  
 Vivian, Alfred ... CO  
 Von Dach, H. ... FGN  
 Von Ohlen, F.W. ... G  
 Wacker, P.F. ... CBA  
 Waller, A.E. ... G  
 Wareham, R.T. ... G  
 Warner, E.N. ... FG  
 Wikoff, Miss H.L. ... CNO  
 Willard, C.J. ... OG  
 Williams, D.C. ... M  
 Winter, A.R. ... NOC  
 Wirth, H.E. ... C  
 Withrow, J.R. ... CMP  
 Wolfe, J.N. ... G  
 Wolfrom, M.L. ... C  
 Woodin, G.C. ... FEO  
 Woolpert, O.C. ... N  
 Woodward, G.D. ... W  
 Wyer, S.S. ... M  
 Wylie, C.R., Jr. ... A  
 Yule, L.W. ... NIK  
 Zappie, C.A. ... MCB  
 Zirbes, Miss Laura ... QI

**Dayton**

Beck, W.A. ... GFB  
 Biermacher, N. ... CN  
 Cassel, H.D. ... NH  
 Culler, A.M. ... NBF  
 Dambach, C.A. ... FOG  
 Dearolf, Kenneth ... F  
 Dickerson, L.M. ... GFC  
 Dwyer, H.A. ... IH  
 Flower, A.H. ... CBM  
 Fowler, Kenneth ... N  
 Friedel, F.J. ... KIH  
 Goldberg, M.M. ... M  
 Heyd, Josef W. ... C  
 Hochwalt, C.A. ... CBM  
 Hoerner, M.T. ... N

**Dayton, Cont'd.**

Hull, H.B. ... M  
 Kemmer, P.H. ... MBA  
 Kessler, E.H. ... MC  
 Kettinger, C.F. ... MBC  
 Kittredge, H.G. ... C  
 Koch, W.R. ... BAC  
 Kosolapoff, G.M. ... CBA  
 Lang, A.G. ... G  
 Malowan, John ... C  
 Metzler, S. ... HQK  
 Millette, J.W. ... N  
 Molz, F.J. ... GFC  
 Morris, H.E. ... CMB  
 Paschall, A.H. ... OE  
 Pittinger, C.B., Jr. ... CBO  
 Rappell, U.J. ... MBA  
 Rosenquist, E.N. ... CN  
 Samaras, N.N.T. ... C  
 Schumacher, B.A. ... B  
 Seyfried, A.P. ... FGN  
 Simpson, W.M. ... N  
 Thomas, C.A. ... CBM  
 Trusler, E.B. ... CBE  
 Weimer, F.C. ... MBA  
 Williams, H.M. ... CM  
 Wohlleben, W.J. ... CM  
 Wright, Orville ... M

**Cuyahoga Falls**

Larrick, Lewis ... B

**Defiance**

Arnold, Miss Clio ... KIL

**Delaware**

Bobrovnikoff, N.T. ... DBA  
 Cherrington, E., Jr. ... D  
 Cooper, J.R. ... E  
 Fields, Paul E. ... I  
 Hahnert, W.F. ... F  
 Hynek, J.A. ... D  
 Jarvis, C.W. ... B  
 Manuel, W.A. ... CO  
 O'Neal, C.E. ... G  
 Rice, E.L. ... F  
 Rowland, S.A. ... A

**Dover**

Schott, Eugene ... MAB  
 Schwall, Eugene ...

**East Cleveland**

Fehr, R.B. ... MBC  
 Phelps, G.S. ... M  
 Reed, K.W. ... MKO  
 Schroeder, O., Jr. ... KI  
 Whitney, F.P. ... Q

**Elmore**

Housley, C.R. ... Q

**Elyria**

Hudson, Alfred ... NKC  
 Rankin, J.P. ... N

**Euclid**

Sykes, W.P. ... M

**Findlay**

Dietsch, Miss M. ... IQK  
 Heminger, J.N. ... ABO  
 Morey, C.A. ... C  
 Roots, Y.K. ... BA

**Flat Rock**

Kesselring, W.H. ... GF

**Flushing**

Ritchey, J.C. ... C

**Fostoria**

Shellenberger, J.A. ... CO

**Gambier**

Cummings, S.B., Jr. ... I  
 Johnson, E.H. ... BLM  
 Nelson, J.A. ... F

**Geneva**

Burgess, Perry ...

**Glendale**

Allen, D.T. ... IFQ

**Granville**

Castle, W.A. ... F  
 Ebaugh, W.C. ... COM  
 Green, S.L. ... CBD  
 Ladner, A.C. ... AB  
 Lindsey, A.W. ... F  
 Morgan, G.D. ... F  
 Smith, L.E. ... B  
 Stickney, M.E. ... G  
 Wright, F.J. ... E

**Green Camp**

Leach, Coe ... ABC

**Greenfield**

Shimp, Wm.B. ... IP

**Grove City**

Wickliff, E.L. ... F

**Hamilton**

Barclay, E.H. ... CBM  
 Bradner, Donald ... C  
 Foster, M.G. ... BA  
 Taylor, W.P. ... BCF

**Harpster**

Lewis, C.H. ... C

**Hicksville**

Bright, J.A. ... CBD

**Hilliards**

Frasch, J.F. ... GFO  
 Weaver, J.H. ... A

**Hillsboro**

Roads, Miss M.K. ...

**Hiram**

Clarke, E.H. ... AD  
 McCullough, C.M. ... Q

**Hudson**

Allen, K.C. ... E  
 McGee, H.G. ... M  
 Trumbull, H.L. ... BC

**Ivorydale**

Edeler, August ... CBA  
 Miller, H.G. ... NCO

**Kent**

Cunningham, H.A. ... QGF

Dexter, R.W. ... FG  
 Harbourt, S.A. ... FG  
 Kelley, K.L. ... FG  
 Lotz, E.R. ... IN  
 Olson, David ... E  
 Rumold, C.F. ... CBN  
 Smith, R.H. ... M

**Lakewood**

Fowerbaugh, C.C. ... I  
 Fullerton, H.P. ... M  
 Gehring, H.A. ... MB  
 Kittelberger, A.S. ... BC  
 Lafferty, Wheeler ...  
 Lawrence, W.G. ... CBD  
 Longoria, A. ... MNB

**Lancaster**

Bell, E.F. ... IKQ

**Leesburg**

York, J.M. ... FQ

**Lockbourne**

Anderegg, G.A. ... MBH

**Lockland**

Rieveschl, G., Jr. ... CNA

**McConnelsville**

Ranney, Leo ... M

**Mansfield**

Spandau, H.M. ... MP

**Marengo**

Porter, H.L. ... GOF

**Marietta**

Krause, E.B. ... CBO  
 Martin, C.H. ... F  
 Muscati, Pietro ... MBN  
 Phillips, T.D. ... B

**Marion**

Kling, E.L. ... INC  
 Sawyer, C.W. ... N

**Marysville**

Gebhardt, H.T. ... CO  
 Titus, R.W. ... CN  
 Williams, P.C. ... O

**Massillon**

Motok, G.T. ... MCB

**Middletown**

Hayes, Anson ... CHP  
 Parmele, H.B. ... CO  
 Roehl, W.H. ... N

**Millford**

Bell, W.H. ... CN  
 Rockwell, G.E. ... NCQ

**Mount Saint Joseph**

Corona, Sister M. ... A  
 McDonald, Sister E.S. ... GF

Sanche, Sister I. ... C  
 Therese, Sister A. ... AB

**Nelsonville**

Sharp, C.C. ... M

**Newark**

Anderegg, F.O. ... CB  
 Bennett, W.H. ... B

**New Concord**

Clarke, H.M. ... I  
 Mitchell, Robert ... FCO  
 Moses, C.F. ... EHK  
 Smith, J.J. ... I

**New Lexington**

Short, F.R. ... CQ

**New Philadelphia**

Dosch, Earl F. ... EO  
 Helmick, Miss L.E. ... CF

**Niles**

Dearth, O.A. ... NFI  
 Dewey, D.A. ... C

**North Jackson**

Bridgham, C.M. ... CG

**North Lima**

Goodwin, W.H. ... FOI

<b>Norwood</b>		<b>Piqua</b>		<b>Toledo, Cont'd</b>		<b>Wooster, Cont'd.</b>	
Leucht, C.L. ....	C	Barker, C.A. ....	F	Cowan, R.J. ....	MBC	Hayden, C.C. ....	FO
<b>Oberlin</b>		<b>Put in Bay</b>		Cunningham, B.V. ....	OI	Hoffman, I.C. ....	O
Bradshaw, R.W. ....	N	Bodenlos, L.J. ....	FC	Ehrlich, L.B. ....	MB	Houser, J.S. ....	F
Budington, R.A. ....	F	Chandler, D.C. ....	FG	Flood, Sister M.A. ....	CGF	Howlett, F.S. ....	OG
Cairns, W.D. ....	A	Langlois, T.H. ....	FG	Gardiner, J.P. ....	N	Lamb, C.A. ....	OGA
Cani, F.E. ....	DAO	Trautman, M.B. ....	F	Gardiner, Will ....	N	Neiswander, C.R. ....	F
Hibbard, Hope ....	F	<b>Reynoldsburg</b>		Hopfield, J.J. ....	B	Neiswander, R.B. ....	O
Holmes, H.N. ....	C	<b>McOwen, Miss M.L. ....</b>		Jaessing, Fred K. ....	C	Remp, Martin ....	IO
Hubbard, G.D. ....	E	<b>GFC</b>		Krieger, F.J. ....	CBA	Rogers, C.F. ....	CGO
Jones, G.T. ....	GFE	<b>Rocky River</b>		McCormick, E.J. ....	N	Salter, R.M. ....	O
Jones, Lynds ....	FG	<b>Heise, G.W. ....</b>		Macelwane, F.J. ....	N	Sayre, J.D. ....	G
McCullough, J.C. ....	CBI	<b>Tindal, C.H. ....</b>		Mercedes, Sister ....	ABC	Secrest, Edmund ....	O
McEwen, Robert ....	F	<b>Rossford</b>		Mogendorff, N. ....	G	Sharp, W.L. ....	IO
Rogers, C.G. ....	FIN	<b>Royal, Lester ....</b>		Murphy, J.T. ....	N	Spencer, J.T. ....	GEF
Sears, P.B. ....	GO	<b>Salem</b>		Myers, U.H. ....	C	Spencer, W.P. ....	F
Snodgrass, J.M. ....	NBF	<b>Cobbs, Lea A. ....</b>		Padgett, J.E. ....	KBM	Stringfield, G.H. ....	OG
Steiner, L.E. ....	CB	<b>Cox, Mrs. E.T. ....</b>		Patch, L.H. ....	F	Thomas, Roy C. ....	G
Stetson, R.H. ....	I	<b>Cox, Mr. M.A. ....</b>		Pickard, Miss L. ....	FG	Tilford, P.E. ....	G
Taylor, L.W. ....	B	<b>King, L.W. ....</b>		Potts, J.C. ....	N	Versteeg, Karl ....	E
Tucker, F.G. ....	B	<b>Sandusky</b>		Ryan, J.D. ....	CMB	Vogel, M.A. ....	F
Weaver, H.E. ....	I	<b>Bliss, C.I. ....</b>		Schlossberg, Morris ....	F	Welton, F.A. ....	GO
Wilkins, E.H. ....	LO	<b>South Euclid</b>		Shaddock, H.A. ....	C	Westhafer, W.R. ....	B
Wooster, H.A. ....	K	<b>Blossom, Mrs. D.S. ....</b>		Solberg, A.N. ....	FN	Williamson, C.O. ....	AD
Yeaton, C.H. ....	A	<b>Garvin, Sister M.C. ....</b>		Stose, H.F. ....	CMB	Yanney, B.F. ....	ADQ
Yantz, R.E.P. ....	I	<b>ABD</b>		Williams, G. ....	KIH	Young, H.C. ....	G
<b>Oxford</b>		<b>Whitacre, F.M. ....</b>		<b>Troy</b>		<b>Worthington</b>	
Anderson, W.E. ....	A	<b>Springfield</b>		Hook, T.E. ....	QBA	Midgley, T., Jr. ....	C
Ashbaugh, E.J. ....	O	<b>Beaver, W.C. ....</b>		Johnston, Miss F.A. ....	NCF	O'Brien, H.R. ....	C
Bain, Read ....	KHI	<b>Bodenberg, E.T. ....</b>		<b>Warren</b>		Raymond, B. ....	GNO
Belk, Miss Ethel ....	GCF	<b>Brubaker, E.R. ....</b>		<b>Foster, E.S. ....</b>		<b>Wyoming</b>	
Boesel, M.W. ....	F	<b>Lawson, C.A. ....</b>		<b>Westerville</b>		Blair, F.W. ....	C
Brill, H.C. ....	CNO	<b>McGrew, J.B. ....</b>		Clements, F.O. ....	M	Duncan, R.A. ....	CM
Christofferson, H.C. ....	AO	<b>Morgan, J.W. ....</b>		Esselstyn, A.J. ....	C	Martin, W.S. ....	CI
Davis, B.M. ....	NF	<b>Neuberg, M.J. ....</b>		Glover, B.C. ....	A	Richardson, A.S. ....	C
Drill, Miss Edna ....	GFO	<b>Nystrom, W.C. ....</b>		Hanawalt, F.A. ....	FE	Uhrbrock, E.G. ....	IO
Edmiston, R.W. ....	QC	<b>Schwarz, W. ....</b>		McCloy, J.H. ....	B	Uhrbrock, R.S. ....	IO
Edwards, R.J. ....	B	<b>Shantzer, C.G. ....</b>		Mark, C.G. ....	EG	<b>Yellow Springs</b>	
Evans, A.T. ....	G	<b>Tulloch, R.E. ....</b>		Scheer, E.W.E. ....	NFG	Barbulesco, C.D. ....	MO
Heckert, J.W. ....	OI	<b>Weaver, E.O. ....</b>		<b>Wilberforce</b>		Burr, I.W. ....	AKF
Hefner, R.A. ....	F	<b>Stuebenville</b>		<b>Coleman, Robert ....</b>		Cape, Miss Jane ....	CN
Kieger, C.W. ....	CN	<b>Lyons, Miss E.L. ....</b>		Harris, E.L. ....	A	Champney, H. ....	IKO
McConnell, W.R. ....	EKO	<b>Tiffin</b>		Lane, Mrs L.C. ....	INO	Hammond, W.A. ....	CBE
McNelly, W.C. ....	FN	<b>Barnes, K.B. ....</b>		Lee, H.F. ....	O	Inman, O.L. ....	FG
Mattox, N.T. ....	F	<b>Jones, J.W.L. ....</b>		Pyrtle, R.N. ....	FG	Leuba, Clarence ....	IHK
Richardson, J.S. ....	OCB	<b>Kleckner, M.E. ....</b>		Smith, W.L. ....	I	Morgan, A.E. ....	KMO
Rothermel, Miss J.E. ....	NF	<b>Williams, E.I.F. ....</b>		<b>Willoughby</b>		Nelson, V.L. ....	IOH
Shideler, W.H. ....	E	<b>Wilson, I.T. ....</b>		<b>Rentschler, M.J. ....</b>		Owen, G.E. ....	B
Stark, O.K. ....	GN	<b>Toledo</b>		<b>Wilmington</b>		Richards, T.W. ....	FIN
Tappan, A.H. ....	A	<b>Bach, Ernest ....</b>		<b>Hale, Kelley ....</b>		Sontag, L.W. ....	N
Taylor, R.B. ....	IN	<b>Bachmann, F.M. ....</b>		<b>Hazard, F.O. ....</b>		Swinnerton, A.C. ....	EDM
Thompson, W.S. ....	K	<b>Bevin, Sydney ....</b>		<b>Wooster</b>		<b>Youngstown</b>	
Van Tassel, R.J. ....	IOK	<b>Binney, R.L. ....</b>		Alexander, L.J. ....	GO	Collier, W.D. ....	N
Watt, Miss Lucy J. ....	FNG	<b>Bowers, H.E. ....</b>		Bangham, R.V. ....	F	Foard, C.W. ....	BA
Williams, I.R. ....	NF	<b>Bowman, H.H.M. ....</b>		Barnes, E.E. ....	O	Mellon, D.Roy ....	CKN
Williams, S.R. ....	F	<b>Coonen, L.P. ....</b>		Bowman, D.H. ....	GO	Naples, F.J. ....	CB
Wolford, J.J. ....	EHI	<b>Painesville</b>		Conrey, G.W. ....	OEC	Semans, F.M. ....	NFG
<b>Perry</b>		<b>Anderson, P.R. ....</b>		Coyle, E.E. ....	G	Tessin, Wm. ....	MAB
Beardslee, H.C. ....	GFE	<b>Gault, H.J. ....</b>		Evans, M.W. ....	OG	<b>Xenia</b>	
<b>Ada</b>		<b>Munn, Miss L.E. ....</b>		Gammon, N., Jr. ....	COG	Davy, Leita ....	N
Mackin, J.G. ....	F	<b>Taylor, A.M. ....</b>		Gourley, J.H. ....	OG	Healy, P.W. ....	ACQ
Warren, W.D. ....	C	<b>Winters, Edna S. ....</b>		<b>OKLAHOMA</b>		Higginson, A.P. ....	I
<b>Alva</b>		<b>Perry</b>		<b>Ada</b>		Patterson, A.M. ....	C
Carter, T.C. ....	F	<b>Beardslee, H.C. ....</b>		<b>Ardmore</b>		<b>Boise City</b>	
<b>Ada</b>		<b>Tomlinson, C.W. ....</b>		<b>Bartlesville</b>		Baker, Wm.E. ....	HE
<b>Alva</b>		<b>Von Keller, F.P.P. ....</b>		<b>Arutunoff, Armais ....</b>		<b>Chickasha</b>	
<b>Alva</b>		<b>White, M.P. ....</b>		<b>Barton, H.M., Jr. ....</b>		Bradbury, Miss D. ....	GG
<b>Alva</b>		<b>Willard, Miss Kate ....</b>		<b>Doan, R.L. ....</b>		Pray, Ruth W. ....	HIF
<b>Alva</b>		<b>Willard, Miss Kate ....</b>		<b>Gibson, J.D. ....</b>		Shackleford, M.W. ....	F
<b>Alva</b>		<b>Willard, Miss Kate ....</b>		<b>Snow, R.D. ....</b>		<b>Chickasha</b>	

## OKLAHOMA

<b>Ada</b>		<b>Ardmore</b>		<b>Bartlesville</b>		<b>Boise City</b>	
Mackin, J.G. ....	F	Tomlinson, C.W. ....	E	Arutunoff, Armais ....	M	Baker, Wm.E. ....	HE
Warren, W.D. ....	C	Von Keller, F.P.P. ....	N	Barton, H.M., Jr. ....	B	<b>Chickasha</b>	
<b>Alva</b>		White, M.P. ....	EF	Doan, R.L. ....	B	Bradbury, Miss D. ....	GG
<b>Alva</b>		Willard, Miss Kate ....	L	Gibson, J.D. ....	CPN	Pray, Ruth W. ....	HIF
<b>Alva</b>		<b>Willard, Miss Kate ....</b>		Snow, R.D. ....	CMB	Shackleford, M.W. ....	F

- Drumright**  
Parker, Miss M. .... F
- Durant**  
Blain, W. L. .... FG  
Shaw, R. J. .... FC
- Edmond**  
Derrick, G. E. .... FGO  
Jones, Roy W. .... FNG
- El Reno**  
Kaster, J. W. .... MBA
- Enid**  
Boyer, M. M. .... FG  
Knowles, F. E. .... BD  
Tomlinson, L. E. .... KQI
- Fort Sill**  
vonZelinski, W. F. .... NHL
- Goodwell**  
McMillen, W. N. .... OFC
- Guthrie**  
Arvin, Sister M. A. ....  
Crane, A. H. .... FGQ  
Tangney, Sister M. R. .... CAB
- Hobart**  
Russom, V. W. .... EDB
- Kaw**  
Boatright, R. G. .... CMB
- Langston**  
Spaulding, M. F. .... OG
- Lindsay**  
Jenkins, Miss R. O. .... AFB
- McAlester**  
Brown, Miss Auval .. G
- Muskogee**  
Whitaker, H. L. .. FG
- Norman**  
Bender, J. F. .... Q  
Bizzel, W. B. .... K  
Bollinger, C. J. .... E  
Bragg, A. N. .... FG  
Bumstead, Chas. .... IKP  
Burton, Miss H. B. .... CNF  
Chance, H. L. .... G  
Clements, F. E. .... H  
Court, N. A. .... ADB  
Cross, G. L. .... G  
Decker, C. E. .... E  
Dodge, H. L. .... BMH  
Eigsti, O. J. .... GFC  
Evans, O. F. .... EB  
Fisher, Miss A. B. .... GN  
Gerken, Clayton .... IQ  
Gould, C. N. .... E  
Hassler, J. O. .... ADQ  
Hoisington, L. B. .... I  
Johnson, V. O. .... FG  
Melton, F. A. .... EI  
Neill, A. J. .... N  
Nielsen, J. Rud. .... BC  
Ortenburger, A. I. .... F  
Park, W. Z. .... HK  
Perry, C. M. .... I  
Richards, Aute .... F  
Richards, M. H. .... F  
Schriever, Wm. .... B  
Self, J. Teague .... FE  
Weese, A. O. .... F  
Weidman, Samuel .... E  
Wilson, M. O. .... IQ  
Young, Miss Dixie .... F
- Nowata**  
Warner, W. W. .... M
- Oklahoma City**  
Abreu, Benedict NpFC  
Campbell, C. H. .... NHI  
Curtis, G. W. .... P  
Everett, M. R. .... NC  
Goldsmith, J. B. .... NF  
Gordon, T. B. .... GO  
Hellbaum, A. A. .... FN  
Hunninen, A. V. .... FG  
Lima, D. O. .... CBP  
Long, LeRoy .... N  
McMullen, D. B. .... FGN
- Oklahoma City, Cont'd**  
Myers, R. E. .... N  
Nagle, Patrick .... N  
Perrine, Irving .... E  
Reichmann, F. J. .... Nd  
Richards, J. T. .... EMB  
Sanford, J. T. .... E  
Stemen, T. R. .... G  
Thompson, Joe P. .... CBE  
Wortham, K. A. .... F  
Zahn, Fred H. .... MKO
- Ponca City**  
Athy, L. F. .... E  
Davis, L. L. .... CM  
McCoy, Alex. W. .... E  
Miller, Walter .... M  
Zurcher, Paul .... ABC
- Sapulpa**  
MacKay, Hugh .... E
- Shawnee**  
Short, W. T. .... ADB  
Winchester, A. M. .... FG
- Stillwater**  
Cave, H. W. .... ONC  
Chester, K. Starr .... GO  
Cordner, H. B. .... OCG  
Danielson, R. N. .... FNC  
Donnell, P. S. .... MED  
Durbine, F. M. .... B  
Fenton, F. A. .... F  
Gallup, W. D. .... ONC  
Gernert, W. B. .... OGE  
Harper, H. J. .... OC  
Heston, B. O. .... C  
Howell, D. E. .... FNO  
Ireland, J. C. .... FG  
Jaap, R. G. .... FNO  
Maxwell, J. M. .... OFC  
Muerman, J. C. .... QLI  
Oboukhoff, N. .... MBA  
Patterson, H. .... OKI  
Pruitt, C. M. .... OCE  
Purdy, D. I. .... CN  
Rols, Fred M. .... G  
Sanborn, C. E. .... F  
Smith, O. M. .... CQM  
Stratton, Robert .... GO
- Stillwater, Cont'd**  
Tennyson, Miss G. .... G  
Trimble, H. M. .... C  
Webster, J. E. .... CGO  
Whitenton, R. O. .... F  
William, O. S. .... O  
Willison, F. E. .... N
- Tahlequah**  
Duncan, N. N. .... EQ
- Temple**  
Sorge, W. A. .... BAC
- Tulsa**  
Allender, Miss C. .... FG  
Bass, N. W. .... E  
Brown, M. W. .... INF  
Case, Leslie C. .... ECM  
Casler, Fred Q. .... MEA  
Chase, H. D. .... F  
Clark, F. R. .... EBA  
Denney, E. C. .... O  
Foley, L. L. .... E  
Force, Miss E. R. .... FGO  
Griffith, G. R. V. .... EMH  
Hamilton, D. E. .... MCP  
Hoffman, M. G. .... E  
Jones, C. B. .... MEB  
Knappen, R. S. .... EM  
McLeod, L. S. .... I  
Murray, A. N. .... E  
Pauly, F. R. .... Q  
Reisher, P. H. .... Q  
Riggs, R. J. .... F  
Riter, S. W. .... EM  
Rushmore, P. P. .... EFH  
Wolf, Alfred .... BAD  
Zorichak, J. J. .... MEC  
Sibole, B. P. .... MKO  
Wellman, D. C. .... E  
West, S. S. .... BE  
Westby, G. H. .... EBA  
Wilson, W. B. .... E
- Weatherford**  
Froman, Eula C. ....  
Vrooman, Miss L. E. .... QIG
- Woodward**  
Bell, M. A. .... OG

## OREGON

- Albany**  
Bishop, Geo. D. .... FGD
- Ashland**  
Redford, Walter .... EQ  
Wells, W. W. .... FG
- Astoria**  
Carruthers, R. T. .... AH  
Straumfjord, Jon V. .... N  
Towler, E. D. .... F  
Zimmerman, Mrs. H. K. .... FO
- Baker**  
Wreissbach, R. H. .... NC
- Burns**  
Platt, K. B. .... OG
- Corvallis**  
Allison, Iras. .... E  
Anderson, W. B. .... BDE  
Atwood, W. M. .... G  
Caldwell, W. E. .... CEM  
Dana, Bliss F. .... G  
Dornfeld, E. J. .... FGN
- Corvallis, Cont'd**  
Fasten, Nathan .... F  
Fincke, M. L. .... CN  
Friedman, Leo .... CBM  
Gilbert, E. C. .... C  
Gillilan, F. A. .... CNF  
Gilkey, H. M. .... G  
Hansen, Elmer .... GO  
Hilton, D. E. .... BE  
Jones, J. S. .... CO  
Laslett, H. R. .... IQ  
Lawrence, W. E. .... G  
Lewis, J. C. .... CGO  
McLaughlin, W. T. .... GE  
McMillan, F. O. .... M  
McWhorter, F. P. .... G  
Milne, W. E. .... A  
Morris, Henrietta .... N  
Mote, Don Carlos .... FL  
Nattkemper, L. C. .... OG  
Owens, C. E. .... G  
Packard, E. L. .... E  
Peavy, G. W. .... O  
Powers, W. L. .... OC  
Robinson, R. H. .... C  
Ruffner, Benj. .... MBA  
Sanborn, Miss E. I. .... GE
- Corvallis, Cont'd**  
Scullen, H. A. .... F  
Simmons, J. E. .... N  
Smith, J. E. .... EOQ  
Stephenson, R. E. .... O  
Stuhr, E. T. .... GNP  
Swartley, Arthur .... ME  
Taylor, Alfred .... FNC  
Weniger, W. .... BCQ  
West, L. E. .... CBM  
Wiegand, E. H. .... CO  
Williams, J. C. .... N  
Wulzen, Rosalind .... NF
- Cottage Grove**  
Stewart, C. E. .... G
- Eugene**  
Caswell, A. E. .... B  
Comish, Newell H. .... K  
Cressman, L. S. .... HK  
Crosland, H. R. .... I  
Detling, LeRoy E. .... GF  
Dohanian, S. M. .... F  
Furrer, E. D. .... N  
Howe, H. C. .... INQ  
Hunter, F. M. .... IOQ
- Eugene, Cont'd**  
Kunz, A. H. .... C  
McCabe, Francis FGM  
Moore, A. R. .... FI  
Norris, Will V. .... BC  
Shinn, F. L. .... C  
Smith, W. D. .... E  
Stafford, O. F. .... C  
Sweetser, A. R. .... G  
Townsend, H. G. .... LO  
Yocom, H. B. .... F
- Forest Grove**  
Chamberlin, J. C. .... FG  
Rockwood, L. P. .... FOG
- Gardiner**  
Cole, H. I. .... C
- Grants Pass**  
Treasher, Ray C. .... EM
- Hood River**  
Childs, Leroy .... FG
- Jasper**  
Bradway, E. M. .... CNF

**Klamath Falls**  
 Rozendal, P. H. .... N  
 Tison, A., Jr. .... EFG

**Marshfield**  
 McKeown, R. M. .... N

**Medford**  
 Carpenter, L. .... OM  
 Johnson, A. N. .... N

**Milwaukie**  
 Tracy, J. M. .... E

**Monmouth**  
 Caldwell, V. V. .... IQ

**Oswego**  
 Fenton, R. A. .... NQG

**Portland**  
 Allen, W. F. .... N  
 Bahrs, A. M. .... N

**Portland, Cont'd.**

Bedwell, J. L. .... G  
 Benson, R. L. .... N  
 Brock, V. E. .... FEB  
 Carmody, W. R. .... C  
 Chailton, D. B. .... NC  
 Childs, T. W. .... OG  
 Cooper, H. C. .... Nd  
 Curry, Bess. .... BQ  
 Davenport, D. .... F  
 Diack, A. W., Jr. .... N  
 Diack, S. L. .... NMC  
 Diamond, V. R. .... FG  
 Dillehunt, R. B. .... N  
 Ellis, R. H. .... NOI  
 Firey, F. P. .... CN  
 Fitzgibbon, J. H. .... N  
 Goldenweiser, A. HKI  
 Griffin, F. L. .... AK  
 Griffin, L. E. .... F  
 Hagquist, C. W. .... F  
 Hodge, E. T. .... EM  
 Hubert, E. E. .... G

**Portland, Cont'd.**

Hutchens, W. H. .... IN  
 Istvanovic, A. L. .... F  
 Jones, N. W. .... N  
 Jullum, Henry. .... MEO  
 Jurwitz, L. P. .... BEN  
 Keen, F. R. .... FOG  
 Kerr, W. J. .... GO  
 Kimbrell, Geary. MEK  
 Knerr, E. B. .... BCG  
 Knowlton, A. A. .... B  
 Kohlruess, F. J. .... FNO  
 Larsell, Olof. .... NF  
 Lodewick, J. E. .... G  
 McDougall, G. F. MKQ  
 McGrath, J. S. .... C  
 Manville, I. A. .... N  
 Marlatte, C. R. .... EMH  
 Matthews, D. N. .... OMB  
 Meany, J. M. .... EM  
 Menne, F. R. .... N  
 Merritt, M. L. .... OKG  
 Miller, G. H. .... CM

**Portland, Cont'd.**

Muller, H. C. .... NKO  
 Munger, T. T. .... OG  
 Myers, Miss J. A. .... N  
 Phatak, N. M. .... NpC  
 Price, J. B. .... FIN  
 Sears, H. J. .... N  
 Simson, A. Gael. .... O  
 Todd, W. R. .... CN  
 Watts, L. F. .... OEG  
 Weeks, J. E. .... N  
 Weidenbaum, B. .... CM  
 Wells, E. L. .... B  
 West, E. S. .... CN  
 Youmans, W. B. .... NF

**St. Helens**

Barton, J. C. .... N

**Salem**

Luther, C. F. .... ABD  
 Peck, M. E. .... FG

## PENNSYLVANIA

**Abington**  
 Hughson, Walter .... N

**Aldan**  
 Parmenter, C. L. .... F

**Allentown**  
 Barnett, Miss R. .... NpC  
 Billig, A. L. .... IQA  
 Groff, J. C. .... M  
 Hirst, Miss K. R. .... NEG  
 Hixon, H. W. .... EDM  
 Hoffman, H. F. .... NIM  
 Klopff, H. I. .... IN  
 Miller, H. E. .... GFN  
 Pearson, J. C. .... MBP  
 Pretz, H. W. .... G  
 Schatz, W. J. .... EFO  
 Shankweiler, J. V. .... F

**Altoona**  
 Bower, Miss E. .... NA  
 Brumbaugh, A. St. C. N  
 Glover, L. P. .... NTE  
 Wimmer, H. C. .... F  
 Yoder, H. D. .... FGQ

**Ambler**  
 Gravell, J. H. .... CKI  
 Hall, H. U. .... H  
 Hodge, R. P. .... GF  
 Miller, L. B. .... C

**Annville**  
 Derickson, S. H. .... FG  
 Light, V. Earl. .... FG  
 Lynch, C. A. .... IQ  
 Reynolds, O. Edgar. QI

**Ardmore**  
 Babb, M. J. .... ADL  
 Bachman, B. B. .... M  
 Dewees, Lovett. .... IN

**Arendtsville**  
 Steiner, H. M. .... F

**Ashland**  
 Spencer, R. D. .... CFN

**Avalon**  
 Johnson, C. M. .... C

**Bala-Cynwyd**  
 Babcock, W. W. .... N  
 Hiers, Glen S. .... FC

**Beaver**

Gressly, O. E. .... MN

**Beaver Falls**

Bruce, H. A. .... FGQ  
 Cleland, W. E. .... AB  
 Hill, F. H. .... BEK  
 McMillion, T. M. FNL

**Beech Creek**

Horne, W. D. .... CFO

**Bellefonte**

Ball, Mrs. R. S. .... IQK

**Ben Avon**

Grier, G. W. .... N

**Berwyn**

Atkinson, Miss M. GF  
 Burns, F. L. .... F

**Bethlehem**

Bayley, P. L. .... B  
 Beaver, J. L. .... MQB  
 Bidwell, C. C. .... B  
 Butler, T. J. .... NIK  
 Butterfield, T. E. MBQ  
 Diefenderfer, A. A. C  
 Estes, W. L., Jr. .... N  
 Ettinger, A. A. .... LKQ  
 Ewing, Maurice. BEA  
 Ewing, W. W. .... C  
 Fisher, L. I. .... NFH  
 Ford, Adelbert. .... I  
 Fort, Tomlinson. A  
 Fraser, D. M. .... E  
 Fretz, A. H. .... E  
 Gregg, J. L. .... M  
 Hall, Mrs. M. B. .... F  
 Hall, R. W. .... F  
 Hassler, Roy D. .... CB  
 Jenkins, W. L. .... I  
 Laramy, R. E. .... EQ  
 Meaker, Miss C. L. .... B  
 Miller, B. LeRoy. .... E  
 Neville, H. A. .... C  
 Nieman, H. W. .... MB  
 Reynolds, J. B. .... AMD  
 Schultz, R. F. .... CP  
 Sinkinson, Eric. .... C  
 Small, L. L. .... AD  
 Snavely, Benj. L. .... BM  
 Snyder, Richard. .... C  
 Thomas, Stanley. .... N

**Bethlehem, Cont'd.**

Ullmann, H. M. .... CMQ  
 Van Arnam, R. N. DAB  
 Whitcomb, L. .... E  
 Willard, Bradford. E  
 Williams, C. C. .... MB

**Bloomsburg**

Hartline, D. S. .... FGQ  
 Kuster, K. C. .... FG

**Blossburg**

Brazda, D. S. .... FN

**Bradford**

Koon, Sister M. C. .... G

**Bristol**

Hollander, C. S. .... C  
 Hutchinson, C. S. .... F  
 Scott, J. P. .... NO

**Bruceton**

Denues, A. R. T. .... CBM

**Bryn Mawr**

Cope, A. C. .... C  
 Crenshaw, J. L. .... C  
 Dryden, Lincoln. .... C  
 Gardiner, M. S. .... F  
 Helson, Harry. .... IBF  
 Horn, D. W. .... C  
 Howard, Edgar B. EH  
 Leuba, J. H. .... IHQ  
 MacKinnon, D. W. IKN  
 Oppenheimer, J. M. FN  
 Pettit, Horace. .... NO  
 Pew, A. E., Jr. .... C  
 Taft, A. E. .... N  
 Tennent, D. H. .... F  
 Towle, Miss E. W. NF  
 Wells, A. B. .... FGC  
 Wheeler, Mrs. A. P. A  
 Zirkle, R. E. .... NBG

**Burgettstown**

Sherockman, A. .... CQ

**Bushkill**

Bartram, E. B. .... G

**Butler**

Aaron, Isador. .... G  
 Hopkins, E. F. .... G

**California**

Bontrager, O. R. .... QIA  
 Gilland, E. G. .... EKO  
 Oerlein, K. F. .... QB

**Camp Hill**

Gress, E. M. .... G

**Canonsburg**

Murray, W. W. .... C

**Carlisle**

Eddy, M. W. .... FG  
 Fox, Leon A. .... NF  
 Herber, E. C. .... F  
 Norcross, W. H. .... I  
 Thompson, R. I. .... QI  
 Vuilleumier, E. A. .... C

**Carlisle Barracks**

Hume, E. E. .... N

**Carnegie**

Rome, Miss M. B. .... GF

**Castle Shannon**

Smith, William. .... FG

**Chambersburg**

Davison, Miss C. I. .... A  
 Doan, John L. .... GFC  
 Dudley, Miss J. .... F  
 Krug, Miss K. .... N  
 Peabody, E. .... FGE  
 Weeks, D. W. .... BA  
 White, Miss E. G. .... F

**Charleroi**

Stoneman, Wm. N. MC

**Chester**

Luckie, S. B. .... Nd

**Chestnut Hill**

Starr, Isaac. .... NFC

**Cheswick**

Chappell, E. L. .... CM

**Cheyney**

Calvert, P. P. .... F

**Coatesville**

Lambert, L. F. .... O  
 Stoller, B. B. .... GOC

- Collegeville**  
Bancroft, W.W. ... HI  
Clawson, J.W. ... A  
Smith, L.K. ... C  
Tower, C.V. ... HK
- Concordville**  
Styer, J.F. ... GCO
- Conshohocken**  
Labowskie, P.J. ... NIK
- Coraopolis**  
Chubb, C.F. ...  
Eugenia, Sister M. FGC  
Stafford, S.G. ... CMO
- Cresson**  
Madden, Sister M.G. ...  
CBA
- Dallas**  
Brickel, W.A. ... FGB  
Gallagher, Sister M.W. ...  
FGN  
Hughes, Sister M.C. ... B  
O'Connor, Sister M.C. ... CN
- Danville**  
Fry, F.D. ... I  
Hawley, S.J. ... N
- Devon**  
Witmer, Lightner ... I
- Dimock**  
Cope, F.R., Jr. ... FQO  
Norris, G.W. ... N
- Downingtown**  
Nichols, W.C. ... CNB
- Drexel Hill**  
Bancroft, G.R. ... CN  
Biddle, Anna E. ... IOH  
Cubbon, M.H. ... O  
Gibbons, C.H. ... MLB  
Green, W.P., Jr. ... C  
Sprague, J.M. ... CN  
Thomas, J. Earl ... N  
Ulrich, E.B. ... G  
Ward, Lenore ... FGI
- Easton**  
Balderston, Mark ... B  
Bingham, E.C. ... CB  
Caspari, Ernst ... F  
David, P.R. ... F  
Endres, H.A. ... C  
Fink, George ... BMA  
Itter, H.A. ... E  
Klein, W.H. ... MCB  
Koerner, H.E. ... EFD  
Kotz, Adam L. ... N  
Love, C.H. ... CBM  
Nusim, M.J. ... M  
Smith, W.M. ... A  
Ward, Freeman ... E
- East Pittsburgh**  
Chubb, L.W. ... M  
Condon, E.U. ... BCM  
Hellmund, R.E. ... MP  
Hetenyi, Miklos ... M  
Stepian, Joseph ... BMC  
Wagner, C.F. ... MB  
Way, Stewart ... MBA
- East Stroudsburg**  
Corvelli, Miss M. ... CO  
Kinsell, L.W. ... NTH  
LaRue, D.W. ... Q
- Eddystone**  
Gezelius, Roy A. ... BCM
- Elkins Park**  
Griffith, Ivor ... CNp  
Long, Bayard ... G  
Niederhauser, W.S. CB
- Ellwood City**  
Brownstein, B. ... MPA
- Emporium**  
Kievit, Ben, Jr. ... BMN
- Erie**  
Brevillier, Mrs. A.W. ...  
Bullard, H.H. ... N  
Coon, W.E. ... EQ  
deWitt, Wallace ... E  
Hilditch, W.W. ... N  
Krack, E.J. ... BM  
Krummel, M.A. ... C  
Parsons, J.L. ... BCP  
Sevin, G.K. ... F  
Sweadner, W.R. ... FGN  
Thorn, Sister D. ... CN  
Wells, E.D. ... ABM  
Wilbert, Sister M.P., ... FG
- Farrell**  
Cooley, Miss S. ... GFN  
Hummer, Miss B. ... A
- Feasterville**  
Levy, H.S. ...
- Fogelsville**  
Warmkessel, C.A. ... E
- Fort Washington**  
Roberts, E.J. ... CIK
- Germanatown**  
Wahl, Manfred ... GO
- Gettysburg**  
Bowen, R. Earl ... F  
Sloat, C.A. ... C  
Stover, C.B. ... CGB  
Woods, J.W. ... OA
- Glen Mills**  
Rheuby, V.G. ... NF
- Glen Olden**  
Glenn, John, Jr. ... N  
Hampill, Miss B. ... NC  
Huebner, R.A. ... NO  
Moore, M.L. ... CN
- Glenside**  
Bock, L.H. ... CN  
Graham, J.H. ... CBN  
Kuehner, Q.A. ... O  
McKay, John ... CBM  
Patterson, J.O. ... CAD  
Sturgeon, W.E. ... CNF
- Greensburg**  
Koppitz, C.G. ... M  
McKee, C.W. ... N  
Meyer, Miss J. D. ... C  
Reeves, J.A. ... I  
Scott, Sister F.M. ... F
- Greenville**  
Bradshaw, G.R. ... BQC
- Grove City**  
Wood, A.G. ... G
- Harrisburg**  
Ashley, G.H. ... EF  
Coover, Carson ... NFK
- Harrisburg, Cont'd.**  
Guyton, T.L. ... F  
Hackbusch, Miss F. ... INK  
Henschen, G.N.C. ... EB  
Jacobs, M.W., Jr. ... AI  
McDonnell, J.F., Jr. ... NpC  
Masters, F.M. ... MBC  
Newland, T.E. ... IOH  
Noble, C.M. ... MEB  
Pearson, Robert ... M  
Sandy, W.C. ... N  
Stone, R.W. ... E  
Waugh, K.T. ... IOH  
Whited, Willis ... MAB
- Hatboro**  
Adams, J.R. ... MBA
- Hatfield**  
Michels, N.A. ... NF
- Haverford**  
Alderson, Wroe ... K  
McLean, C.F. ... BFK  
Madeira, P.C., Jr. ...  
Meldrum, W.B. ... C  
Pratt, H.S. ... F  
Sharples, P.T. ... CDE  
Thomas, A.H. ... C  
Wilson, A.H. ... A  
Winsor, Henry ... BFG
- Hazleton**  
Foldes, Julius ... N  
Herpel, Coleman ... AB  
Pardee, Frank ... GM
- Hershey**  
Hinkle, S.F. ... C
- Holtcong**  
Rand, H.A. ... ID
- Holland**  
Degener, L.M. ... NF
- Hollidaysburg**  
Jones, L.B. ... M  
McDonnell, M.E. ... C
- Huntingdon**  
Crummy, P.L. ... FNQ
- Immaculata**  
Gertrude, Sister M. ... KOP  
Grogan, Sister A.M. ... BA  
St. Bernard, Sister M. ... CNP
- Indiana**  
Smyth, Thomas ... F
- Jenkintown**  
Barnes, E.J. ... IQK  
Bergstresser, K.A. ... FG  
Cutright, P.R. ... FH  
Gilroy, Miss H.T. ... B  
McDonnell, J.N. ... Np  
Redding, C.S. ... NCB  
Scull, C.W. ... NCB  
Snodgrass, L.E. ... NFC  
Wolf, H.A. ... M
- Johnstown**  
Crichton, A.B. ... M  
duPont, B.T. ... MKC  
Hay, George ... NIP  
Snyder, Geo. E. ... F  
Wirtner, M. ... F
- Kane**  
Heimbach, J.M. ... N
- Kingston**  
Davis, G.B. ... NF  
Matthews, C.H. ... M  
Soroka, S.G. ... O
- Kirkwood**  
McKenney, R.E.B., ... CGN
- Kutztown**  
Beard, H.C. ... CO
- Lancaster**  
Atlee, J.L. ... NFII  
Bennett, W.O., Jr. ... BM  
Carroll, Michael ... F  
Cattell, Jaques ... F  
Charles, R.L. ... BAM  
Coventry, F.A. ... F  
Fry, H.M. ... BAM  
Heller, H.A. ... CBA  
Hopkins, G.E. ... CM  
Laird, N.F. ... KIL  
Lewis, M.A. ... BCA  
Luckey, G.P. ... B  
Mermod, C. ... NF  
Miller, L.B. ... BCM  
Parks, L.J. ... CBA  
Paschke, Herbert CMB  
Rohrer, R.B. ... C  
Schaeffer, J.A. ... MC  
Schiedt, R.C. ... F  
Vogt, C.C. ... C  
Wenrich, C.N. ... B  
Whitley, P.L. ... IQ  
Widmyer, J.H. ... C
- Langhorne**  
Grave, C.E. ... I  
Mackmull, G. ... FNG
- Lansdale**  
Lapp, W.S. ... COG
- Lansdowne**  
Carter, J.D. ... CFE  
Flosdorf, E.W. ... CNB  
Harrison, J.W.E., ... CNQ  
Irwin, F.W. ... I  
Lloyd, P.T. ... N  
Munch, J.C. ... NpCF  
Proskouriakoff, A. ... C
- La Plume**  
Morris, Samuel ... F
- Latrobe**  
Clark, LeRoy V. ... CN  
Costello, M.H. ... IQ  
McKenna, F.M. ... HC  
Wenstrup, E.J. ... FG
- Laurelton**  
Vanuxem, Mary ... I
- Lawrenceville**  
Presper, Miss M.L. ... C
- Lebanon**  
Schaack, M.F. ... CBG
- Lewisburg**  
Davis, F.G. ... O  
Eyster, W.H. ... G  
Fetherston, J.T. ... CBM  
Garman, W.D. ... MB  
Irland, G.A. ... MBA  
Lowry, W.N. ... BMD  
Rice, J.W. ... NGQ  
Simpson, F.M. ... B  
Stewart, N.H. ... FN

- Lincoln University**  
 Cole, W.R. ....BD  
 Johnson, George .....F  
 Williams, J.L. ....F
- Llanerch**  
 May, A.J. ....GF
- Lock Haven**  
 Baker, W.E.B. ....CBG  
 Stemple, J.F. ....BCD  
 Ulmer, L.J. ....EGF
- Loretto**  
 Idzkowsky, H. ....FCN
- McKees Rocks**  
 Kulik, Stephen ....NCF
- Manoa**  
 McNabb, W.M. ....C
- Mansfield**  
 Doughton, Isaac ....QKI  
 Gwinn, C.W. ....K  
 Stout, C.L. ....EQ
- Marcus Hook**  
 Sisson, W.A. ....CBG
- Meadville**  
 Buckingham, G.E. ....Q  
 Cavelti, J.E. ....CO  
 Darling, C.A. ....EFG  
 Jaffe, Hansvon R. ....BC  
 Morris, H.J. ....C  
 Rhinesmith, H.S. ....C  
 Tyner, H.D. ....C
- Mechanicsburg**  
 Brown, G.V. ....CMB  
 Strong, W.W. ....BI
- Media**  
 Eksergian, R. ....MBA  
 Hartline, H.K. ....NFB  
 Kerr, W.M. ....NFB  
 Kuznets, Simon ....K  
 Rawson, A.J. ....NB  
 Shaw, R.T. ....CGQ  
 Shirley, Mrs. M.C. ....GC
- Merion Station**  
 Blake, Miss S.A. ....BAD  
 Brown, C.L. ....N  
 Child, C.G. ....ME  
 Crony, S.H.M. ....N  
 Eberhard, H.M. ....N  
 Gibson, J.H. ....N  
 Miller, F.R. ....N  
 Wolferth, C.C. ....N  
 Zentmayer, W. ....NFK
- Monaca**  
 Long, C.C. ....CMB  
 Martiens, Paul ....MA
- Morrisville**  
 Patrick, J.C. ....C
- Mt. Lebanon**  
 Edlund, D.L. ....MBC  
 Rosanoff, M.A. ....C  
 Smith, M.W. ....K
- Moylan**  
 Pennell, F.W. ....G
- Munhall**  
 Toy, F.L. ....M
- Narberth**  
 Bolton, T.L. ....HI  
 Carroll, F.B. ....G
- Narberth, Cont'd.**  
 Claghorn, Allan ....FGB  
 Dohan, F. Curtis ....N  
 Robertson, W.M. ....ABD
- New Castle**  
 McAfee, W.K. ....MBC  
 Magnaf, W.A. ....QBC  
 Riggs, W.A. ....EMD
- New Kensington**  
 Brown, P.A. ....I  
 Jetter, L.K. ....M  
 Miller, M.A. ....CBM  
 Stum, R.G. ....MAB
- New Hope**  
 Carson, J.R. ....AB
- Newtown**  
 Clark, Miss B.M. ....B  
 Deubler, E.C. ....ONG
- Newtown Square**  
 Fertig, H.H., Jr. ....NFB  
 Spitz, A.N. ....DQ
- New Wilmington**  
 Clark, W.A., Jr. ....NI  
 Freeman, Charles ....C  
 Moorhead, J.G. ....B  
 Orr, John ....LKH  
 Swindler, J.A. ....B
- Nickelville**  
 Rumberger, G.G. ....CMN
- Norristown**  
 Genkins, M.H. ....NCF  
 Gottschall, R.J. ....K  
 Lukens, H.T. ....Q  
 Rathmell, T.K. ....N
- North Wales**  
 Saylor, M.A. ....NC
- Norwood Station**  
 Sweely, J.S. ....BC
- Oakmont**  
 Elsey, H. McK. ....CBL  
 Stotz, N.I. ....CEB
- Oreland**  
 Wilson, B.J. ....MQA
- Overbrook**  
 Goudsmits, A.J. ....N
- Palmerton**  
 Batchelor, R.P. ....N  
 Miller, N.F. ....CP
- Paoli**  
 Jordan, C.W. ....CN  
 Marks, L.H. ....CN  
 Pemberton, R. ....NCH
- Petrolia**  
 Lofton, W.M., Jr. ....C
- Philadelphia**  
 Adams, C.A. ....BMO  
 Addison, W.H.F. ....FN  
 Aiguier, J.E. ....N  
 Albert, E.J. ....M  
 Allen, H.B. ....M  
 Allen, Mrs. M.G. ....FN  
 Alpers, B.J. ....N  
 Alsentzer, H.A. ....C  
 Altaker, R.R. ....N  
 Angulo y Gonzalez, A.W. ....FN  
 Appleton, J.L.T. ....Nd
- Philadelphia, Cont'd.**  
 Aronson, J.D. ....GN  
 Aronson, R.S. ....N  
 Ashley-Montagu, M.F. ....OIL  
 Austin, J.H. ....NCF  
 Bacon, E.W. ....KNO  
 Bardy, Joseph ....Q  
 Bareuther, C.A. ....BCA  
 Barnes, James ....B  
 Barnett, John ....CAB  
 Barol, Alfred ....NCB  
 Barton, S.G. ....DA  
 Batson, Mrs. E.H. ....N  
 Batson, O.V. ....N  
 Bauer, J.T. ....N  
 Bazett, H.C. ....N  
 Beardley, E.J.G. ....N  
 Beck, L.V. ....NFC  
 Beecham, C.T. ....N  
 Behnke, J.A. ....FGC  
 Beinhart, E.G. ....GOK  
 Bell, Miss L. ....EK  
 Benner, W.M. ....G  
 Bennett, George ....N  
 Berger, Miss E.W. ....N  
 Berman, Joseph ....EO  
 Bernheimer, A.W. ....NFE  
 Bernstein, Ralph ....N  
 Beutner, R. ....Np  
 Biddle, J.G. ....BM  
 Billings, J.H. ....MKB  
 Bird, W.F. ....N  
 Bishop, D.W. ....FG  
 Blanchard, Phyllis ....I  
 Blumenthal, D. ....GNC  
 Bockus, H.L. ....NHF  
 Boeshore, Irwin ....G  
 Bohn, J.L. ....B  
 Bonine, C.E. ....MEC  
 Bonn, N.E. ....BMC  
 Borden, Miss L.F. ....GF  
 Bower, J.O. ....N  
 Boyd, G.A. ....BCF  
 Boyer, Carl ....G  
 Braceland, F.J. ....NI  
 Bradbury, S. ....NGH  
 Bradley, R.C. ....Np  
 Brewer, George ....NFC  
 Briglia, F.J. ....N  
 Bronk, D.W. ....BN  
 Brotemarkle, R.A. ....I  
 Brown, C.P. ....CN  
 Brown, G.H. ....NMQ  
 Brown, R.D., Jr. ....MBA  
 Bunting, Martha ....F  
 Burnham, E.L. ....BEH  
 Burr, C.W. ....N  
 Burriss, Z.W. ....CBA  
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 Butts, D.C.A. ....B  
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 Cajori, F.A. ....N  
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 Cantor, A. ....NCF  
 Capp, S.B. ....KO  
 Carson, H.L., Jr. ....FGH  
 Chamberlain, W.E. ....NB  
 Chambers, L.A. ....FCM  
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 Chittenden, A.S. ....HNQ  
 Chouke, K.S. ....HN  
 Church, G. ....MEA  
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 Clark, E.L. ....N  
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 Cohen, S.S. ....N  
 Collins, D.A. ....N  
 Colomb, H.O. ....NIK  
 Coman, D.R. ....N  
 Comroe, B.I. ....N  
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 Cooper, D.A. ....NK  
 Cope, T.D. ....B  
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 Cox, J.L. ....MOG  
 Crider, J.O. ....N  
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 Cunningham, R.W. ....NpCI  
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 Custer, R.P. ....N  
 Cutler, J.W. ....N  
 Cutler, L.E. ....CNB  
 Darling, H., Jr. ....BDA  
 Darrah, J.B. ....MEI  
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 Davis, G.I. ....CFN  
 DeCarlo, John ....N  
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 Drant, Patricia ....N  
 Dressler, O. ....NFG  
 Drueding, Caspar ....C  
 Dunham, J.H. ....IQ  
 Dunn, M.S. ....GF  
 Easby, Mary H. ....N  
 Ebert, Joseph ....CN  
 Edgar, D.E. ....CE  
 Ehrenfeld, Frederick E. ....N  
 Elliott, K.A.C. ....NC  
 Elwood, E.S. ....NOI  
 Emmons, H.W. ....BCA  
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 Evans, H.B. ....ADM  
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Prinz, Hermann . . . Nd  
Quigley, J. A. M. . . . FGL  
Raiziss, C. W. . . . CNL  
Ramsey, A. J. . . . NF  
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Rose, Milton . . . NKO  
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Rosenberger, R. C. . . . IIN  
Rosengarten, G. . . . BAD  
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Rotondaro, F. A. . . . CGN  
Rowntree, L. G. . . . N  
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Salom, P. G. . . . BCI  
Samson, Meyer . . . CN  
Sanders, J. G. . . . F  
Saunders, Lawrence . . . N  
Schaeffer, A. A. . . . F  
Schaeffer, Bobb . . . FEH  
Schaeffer, J. P. . . . NFH  
Schaeffer, C. W. . . . C  
Schiff, L. I. . . . B  
Schively, A. J. . . . GFE  
Schively, Mary A. . . . HN  
Schlesinger, F. W. . . . D  
Schlumberger, H. G. . . . NFL

Schmieder, R. G. . . . F  
Schock, A. C. . . . DAB  
Schramm, J. R. . . . GN  
Scott, Mrs. D. B. McE. . . NCF  
Scott, John . . . NI  
Seibert, F. B. . . . NC  
Seifritz, William . . . GC  
Sevag, M. G. . . . CN  
Shay, Harry . . . N  
Shinn, O. L. . . . C  
Shirley, H. L. . . . GO  
Shrader, J. E. . . . B  
Shull, H. H. . . . C  
Sindoni, A. Jr. . . . NCB  
Singer, E. A., Jr. . . . C  
Skeen, J. R. . . . GCB  
Skoss, S. L. . . . LHK  
Small, J. C. . . . N  
Smith, F. L., II . . . NCM  
Smith, J. A. . . . N  
Spaeth, Wm. L. C. . . . N  
Spaulding, E. H. . . . N  
Spiegel, Ernest . . . IN  
Spiegel, Adolf, M. . . . CN  
Stabler, R. M. . . . FN  
Steckbeck, D. W. . . . G  
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Stevens, Harold . . . ICN  
Stiles, M. H. . . . N  
Suteler, C. A. . . . QG  
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Strickler, Albert . . . NBC  
Stroup, F. P. . . . C  
Struse, T. B. . . . NFG  
Teahan, R. W. . . . N  
Thwing, C. B. . . . BDH  
Tocantins, L. M. . . . NFL  
Trenner, Simeon . . . NB  
Trumper, Max . . . NC  
Twitmyer, Edward . . . IQ  
Tyson, F. T. . . . CBN  
Ungemach, Miss D. D. . . CFO

Urbaitis, J. C. . . . NI  
Vellner, Eugene . . . C  
Viteles, M. S. . . . I  
Vollrath, A. J. . . . C  
Wagoner, George . . . IIN  
Waldie, Miss A. T. . . . BCA  
Warren, H. S. . . . FNG  
Warren, S. K., Jr. . . . BMN  
Wastl, Helen . . . N  
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Wenrich, D. II. . . . F  
Weston, J. K. . . . NF1  
Weyl, Charles . . . M  
Wheery, E. T. . . . CEG  
White, E. P. C. . . . NI  
White, E. J. . . . C  
Whiting, Mrs. A. R. . . . F  
Whiting, Phineas . . . F  
Why, Miss E. T. . . . CFG  
Wichterman, R. . . . FNG  
Wilcox, W. D. . . . NFG  
Williams, S. C. . . . FNH  
Wilson, D. W. . . . N  
Winchell, A. V. . . . NBE  
Witlin, B. . . . NCF  
Wood, J. C., Jr. . . . GNP  
Woody, Thomas . . . QLK  
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Wright, S. L. . . . CNO  
Yarnall, D. R. . . . M  
York, H. II. . . . G  
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Zackwer, I. T. . . . N  
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Wetherill, H. E. . . . NBM

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Allen, A. J. . . . BCN  
Almy, L. H. . . . C  
Arnold, H. C. . . . ABC  
Arnold, S. III . . . MHC  
Avinoff, A. . . . F  
Babcock, D. E. . . . CBA  
Baggaley, Ralph . . . EM  
Baird, A. C. . . . AD  
Barach, J. H. . . . N  
Barrett, E. P. . . . CBA  
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Barton, J. P. . . . MB  
Bass, L. W. . . . CK  
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Berl, Ernst . . . C  
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Black, R. M. . . . MKE  
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Spencer, H.L. .... N  
Stahl, K.F. .... C  
Stern, Otto .... B  
Stieren, Edward .... N  
Strickler, H.S. .... CN  
Sumstine, D.R. .... G  
Swirble, J.L. .... N  
Swan, T.H. .... C  
Tatman, J.L. .... MCE  
Taylor, F.A. .... CN  
Taylor, J.S. .... A  
Teagarden, F.M. .... IO  
Theiss, Miss M.E. .... E  
Thiessen, Gilbert .... CEM  
Thomas, E.U. .... MPC  
Thomas, H.A. .... M  
Thompson, A.P. .... CM  
Thompson, C.L. .... ME  
Thorpe, H.E. .... BCN  
Tipson, R.S. .... CNP  
Tolmachoff, I.P. .... EMQ  
Torrey, R.G. .... N  
Triche, Andrew .... IMN  
Troelsch, H.W. .... MBA  
Utley, F.B. .... N  
Venable, Emerson .... CN  
Venable, W.H. .... MB  
Venable, W.M. .... BME  
Wagman, N.E. .... D  
Walton, J.P. .... M  
Warga, Mary E. .... BDC  
Watson, J.R. .... N  
Weidlein, E.R. .... CMB  
Weinberg, M.H. .... N  
Welbourn, J.T. .... B  
Wendt, E.F. .... M  
West, J.R. .... MCA  
Williams, S.H. .... F  
Wolf, E.A. .... F  
Work, W.R. .... MB  
Wright, G.J. .... N  
Yant, W.P. .... CBN  
Yoakam, G.A. .... O  
Young, G.H. .... CNB  
Ziegler, C.E. .... NG  
Zugsmuth, Robert .... Nd

## Pittston

Berry, J.W. .... M

## Port Allegany

Jordan, J.W. .... CB

## Pottstown

Nicholson, S.T., Jr. .... N

## Pottsville

Holtzinger, A.H. .... CIN  
Richards, Howard .... MPQ  
Sheafer, A.W. .... M

## Punxsutawney

Lorenzo, F.A. .... N

## Quakertown

Feigley, H.P. .... N

## Radnor

Newkirk, Mrs. A.M.F. .... GIF  
Paxson, O.S. .... F

## Reading

Bower, Miss J.W. .... A  
DeLong, B.H. .... CMP  
Essick, C.R. .... N  
Horn, C.A. .... N  
Mengel, L.W. .... EF  
Walton, G.W. .... GE  
Wilkins, Hans .... GEH

## Ridley Park

Bates, H.H. .... MAB  
Bonnet, F., Jr. .... C  
LeMaistre, F.J. .... CM  
Moss, S.A., Jr. .... CM  
Swinehart, J.L. .... FQ  
Vose, R.S. .... CM

## Rosemont

Brillhart, R.E. .... GNC  
Donovan, Miss M.K. .... GF  
Easby-Smith, Mother  
Mildred .... FIH  
Nichols, M.L. .... FGQ

## St. Marys

Eilefson, B.S. .... CMB  
LeGrys, H.J. .... CMB

## Sandy Lake

Cooly, J.C. .... NIH

## Sayre

Perry, S.P. .... N

## Scottdale

Smith, H.A. .... ABC  
Yoder, Edward .... L

## Scranton

Ketcham, H.H. .... MBC  
Milkman, L.A. .... BN  
Morgan, Sister M.S. .... C  
Pritham, G.H. .... CN  
Raymond, M.L. .... BCQ  
Redding, L.G. .... N  
Reinhard, E.G. .... F  
Stanaka, W. .... FGH  
Wolf, L.N. .... F

## Selinsgrove

Fisher, G.E. .... CO  
Scudder, F.W.S. .... FGN

## Sewickley

Fieger, Rebecca L. .... I

## Sharon

Bellaschi, P.L. .... BMA  
Strandrud, H.T. .... MBA

## Sharon Hill

Wardle, H.N. .... HE

## Sharpsburg

Fortino, Salvatore .... N

## Shields

Morrow, J.D.A. ....

## Shillington

Fencil, C.F. .... FG

## Shippensburg

Johnston, Jean V. .... CNB

- Simpson**  
Tarris, D. .... BCA
- Slippery Rock**  
Lady, C.H. .... AD  
Waldron, R.A. .... G
- Souderton**  
Roxby, J.B. .... N
- State College**  
Anderson, A.K. .... CNO  
Anderson, E.J. .... F  
Anthony, R.D. .... OG  
Beach, W.S. .... G  
Bernreuter, R.G. .... QI  
Betts, E.A. .... Q  
Black, Alex. .... CON  
Borland, A.A. .... O  
Boucher, R.V. .... CON  
Bramble, W.C. .... G  
Carpenter, C.R. .... I  
Chambers, W.G. .... HQ  
Champlin, C.D. .... QH  
Clarke, W.S., Jr. .... GOF  
Cohen, Miss T. .... A  
Curry, H.B. .... ABF  
Davey, W.P. .... BC  
Davis, H.M. .... CB  
Davis, K. .... KHI  
Dengler, R.E. .... LG  
Dotterer, R.H. .... I  
Duncan, D.C. .... BAM  
Dusham, E.H. .... F  
Dutcher, R.A. .... C  
English, P.F. .... F  
Farris, N.F. .... O  
Forbes, E.B. .... CO  
Fries, J.A. .... CNO  
Frank, O., Jr. .... A  
Frost, S.W. .... F  
Garber, R.J. .... GO  
Gordon, W.G. .... CN  
Grau, F.V. .... OGC  
Green, G.R. .... GFO  
Guerrant, N.B. .... CN  
Haber, V.R. .... F  
Haber, Mrs. V.R. .... GF  
Hammond, H.P. .... M  
Harris, C.L. .... MAB  
Hechler, F.G. .... M  
Henning, W.L. .... OFG  
Herring, Virgil .... C  
Hodgkiss, H.E. .... F  
Honest, A.P. .... E  
Huffington, J.M. .... OG  
Kelly, J.P. .... GOF  
Kern, F.D. .... G  
Kirby, R.S. .... G  
Kriss, Max .... NOC  
Krynine, P.D. .... E  
Landsberg, H. .... EBM  
McCormick, Miss A. .... CNF  
McGrew, R.V. .... CNB  
Mack, P.G.B. .... C  
Mack, W.B. .... OG  
Marquardt, C.E. .... L  
Mavis, F.T. .... MA  
Miller, H.J. .... G  
Moody, Ethel I. .... A  
Myers, C.E. .... GO  
Newman, G.B. .... FNO  
Norris, B.S. .... MCB
- State College, Cont'd.**  
Owens, F.W. .... ABM  
Oyler, J.R. .... CN  
Padgett, Ina .... N  
Phillips, C.R. .... C  
Pfelemer, W.H. .... B  
Popp, H.W. .... G  
Rose, Arthur .... C  
Runkle, E.W. .... I  
Simons, J.H. .... CB  
Sinden, J.W. .... GO  
Smith, F.R. .... B  
Smith, Janice M. .... CNF  
Smith, O.F. .... B  
Sullivan, J.T. .... CGO  
Swift, R.W. .... N  
Thomas, Walter .... GCO  
Todd, F.C. .... MBA  
Torrey, H.C. .... B  
Trabue, M.R. .... IQ  
Varteressian, K.A. .... CMB  
Voris, A. LeR. .... CN  
Wainio, W.W. .... OCN  
Watts, R.L. .... O  
Weaver, P.C. .... O  
White, M.W. .... B  
Whitmore, F.C. .... C  
Woodruff, E.C. .... BMD  
Worthley, H.N. .... F  
Yuster, S.T. .... CBE  
Zundel, G.L. .... G
- Stroudsburg**  
Smith, H.S.S. .... M
- Swarthmore**  
Brown, R.L. .... C  
Campbell, C.B. .... MBA  
Creighton, H.J. .... CB  
Crutchfield, K.S. .... I  
Dresden, Arnold .... A  
Elmore, W.C. .... B  
Enders, R.K. .... FN  
Irving, Laurence .... NF  
Kent, R.H. .... CB  
Kille, F.R. .... FNG  
Kline, J.R. .... A  
MacLeod, R.B. .... TH  
Marriott, R.W. .... DBA  
Miller, J.A. .... AD  
Palmer, S.C. .... G  
Pitman, J.H. .... DAB  
Smith, J.R. .... EFG  
Speight, H.E.B. .... OK  
Swann, W.F.G. .... AB  
vandeKamp, P. .... DAB  
Wagner, E.C. .... CN  
Worth, C.B. .... FO  
Wright, W.R. .... B
- Swiftwater**  
Graham, L.J. .... CNA
- Swissvale**  
Sorensen, A.J. .... M
- Tamaqua**  
Holst, W.H. .... CBA  
Soltzberg, Sol .... C
- Tarentum**  
Stilwell, E.F. .... F
- Taylor**  
Lloyd, H.F. .... FGH
- Titusville**  
Roberts, E.T. ....
- Towanda**  
Swindells, F.E. .... CB
- Trappe**  
Brownback, J.H. .... F  
Hiltebeitel, A.M. .... A
- Upper Darby**  
Bruce, O.C. .... OC  
Gatton, V.H. .... CNp  
Holcomb, R.C. .... N  
Hoyt, J.E. .... BQC  
Jones, J.P. .... GO  
LaLande, W.A., Jr. .... C  
McDonough, D.L. .... A  
Olivier, C.P. .... D  
Shohat, J.A. .... ADK  
Wanner, H.E. .... CEO  
Wasum, L.W. .... CP
- Valencia**  
Root, W.T. .... IQK
- Valley Forge**  
Hudson, H.L. .... NFG
- Villanova**  
Curwen, Alice O. .... NF  
Dougherty, J.M. .... N  
McClain, J.A. .... F  
Roberts, H.R. .... F
- Wallingford**  
Alleman, Gellert .... C  
Bazzoni, C.B. .... B  
Tedesco, A.E. .... OCF  
Underwood, J.E. .... CBD
- Warren**  
Capell, R.G. .... MCA  
FitzSimons, O. .... CMB  
Lindsey, Edward .... HK
- Washington**  
Atchison, C.S. .... A  
Bell, R.M. .... B  
Bert, O.F.H. .... AD  
Frazier, J.E. .... CMP  
Maxfield, E.K. .... LHI  
Osterman, G.B. .... F  
Pietenpol, C.J. .... B  
Porter, H.C. .... GBE  
Shaub, H.C. .... ABD  
Wright, A.H. .... C
- Wayne**  
Bradbury, R.H. .... C  
Warwick, C.L. .... M
- Waynesburg**  
King, V.P. .... NCI  
Lively, C.C. .... IO  
Stewart, P.R. .... GFE
- Wernersville**  
Hill, S.S. .... NIE
- West Chester**  
Braddock-Rogers, K. .... CO  
Glenner, F.R. .... C  
Gordon, R.B. .... GOE  
Hogue, Mary J. .... FN  
Reitew, G.K. .... CGO  
Treznice, W.J. .... FGA
- West Grove**  
Wiggam, D.R. .... CM
- West Nanticoke**  
Heyer, F.W. .... N
- West Newton**  
Mitchell, Claude .... QI
- Westtown**  
Johnson, T.H. .... B  
Rhodes, W.W. .... A
- Wilkes-Barre**  
Lanyon, W.L. .... NCB  
Tasker, R.C. .... F
- Wilksburg**  
Brown, J.W. ....  
Darbaker, L.K. .... FGNp  
Gano, H.S. .... M  
Jackson, C.B. .... C  
Leighton, Henry .... E  
Nadai, A. .... MAB  
Schlesinger, Miss C.R. .... NCB  
Schwarz, W.E. .... MC  
Vandegrift, Earl .... N  
Wahl, A.M. .... MBA  
Wright, W.H. .... Ndf  
York, A.M. .... MNE
- Williamsport**  
Cook, A.M. .... NIK  
Wincoff, T.E. .... AFG
- Windber**  
Orris, J.A. .... N
- Wycombe**  
Woodman, Miss E.A. .... FG
- Wyncote**  
Bailey, L.H. .... K  
Clark, J.H. .... N  
McGinnis, C.S. .... B
- Wynnewood**  
Behney, C.A. .... N  
Cook, G.W. .... DBM  
Reichel, John .... N
- Wyomissing**  
Hopkins, L.W. .... MBO
- York**  
Farquhar, Francis .... M  
Holtzapple, G.E. .... N  
Menges, Franklin .... C  
Roberts, R.H. .... MBO  
Russell, R.J. ....  
Wiest, H.J. .... NpCF

## PUERTO RICO

<b>Hato Rey</b>	<b>Rio Piedras</b>	<b>Rio Piedras, Cont'd.</b>	<b>San Juan, Cont'd.</b>
Martinez-Rivera, E. .... NL	Alberts, H.W. .... OG	Roque, Auturo .... GO	Koppisch, Enrique .. N
<b>Mayaguez</b>	Bevan, Arthur ... OKG	Silva, Alfredo .... IO	Rodriguez-Molina, R. .... N
Basheiov, Samuel ... F	Bueso, Facundo ... BAC	Soto, J.B. .... LQI	Schmidt, F.O. .... IOK
Carrero, J.O. .... CO	Buso, Mrs. H.E.A. GNF	Velazquez de Maceo, ... GNF	Tomlin, M.I. .... FIH
Cowles, H.T. .... CO	Collazo, Mrs. A.M.D. .... FHN	Mrs. Josefa ... GNF	Totti, Etienne ... MNE
Guiscafre-Arrillaga, J. .... G	Cook, M.T. .... G	Walters, F.C. .... I	
Izquierdo, L.A. .... OGK	Fernandez-Garcia, R. .... COG	Wolcott, G.N. .... F	<b>Santa Isabel</b>
Kevorkian, A.G. .... G	Garcia-Diaz, J. .... FGQ		Aponte, J.I. .... CNp
Lee, H.A. .... GO	Holdridge, L.R. .... GO	<b>San German</b>	
Menendez-Ramos, R. .... CO	Kenrick, G.W. .... BAM	Palmer, Boyd ..... F	<b>Santurce</b>
Moore, R.H. .... GOC	Kuschke, C.G.P. .... ABM		Cabrera, Garcia . NCF
Mota, C.C. .... M	Martorell, L.F. .... FOG	<b>San Juan</b>	del Toro, Jorge ..... N
Pennock, William ... G	Melendez, E.N. .... NpGF	Asenjo, C.F. .... CNG	Morales, L.M. .... NIH
Plank, H.K. .... FCO	Nolla, J.A.B. .... G	Bachman, G.W. .... N	Perez, M.A. .... NKA
<b>Puerta de Tierra</b>	Osuna, J.J. .... Q	Cook, D.J. .... C	Romero, A.S. .... M
Gray, R.W. .... BD	Pagan, F.M. .... GOF	Cordova, R.G. ... ABE	Vasquez, J.R. .... BKM
	Ramirez-Torres, O. .... CBA	Davila, C.C. .... MA	
	Rodriguez, A., Jr. .... Q	Font, J.H. .... N	<b>Yauco</b>
		Hoffman, Wm.A. .... F	Amill, J.A. ....
		Jimenez, E.S. .... MBK	

## RHODE ISLAND

<b>Barrington</b>	<b>Kingston, Cont'd.</b>	<b>Providence, Cont'd.</b>	<b>Providence, Cont'd.</b>
Cummings, A.D. .... C	Gilbert, B.E. .... GC	Cross, P.C. .... CB	Saxl, E.J. .... BMC
<b>Block Island</b>	Goggin, Miss L.J. .... NFI	Delabarre, E.B. .... IH	Schlossberg, Harold IF
Madison, H.L. .... F	Hunter, F.R. .... F	Dick, Miss E.A. .... G	Smiley, C.H. .... DA
<b>Bradford</b>	Odland, T.E. .... O	Ducasse, C.J. .... IAO	Snell, W.H. .... G
Stark, Mary B. ... FGN	Parks, W.G. .... C	Eddy, Brayton ... FQO	Staff, E.J. .... N
<b>Charlestown</b>	Smith, J.B. .... OGC	Farnsworth, H.E. .... B	Stuart, C.A. .... NBC
Sands, H.C. .... G	Stene, A.E. .... FO	Focke, A.B. .... BDE	Swain, L.E. .... NGA
<b>Cranston</b>	<b>Narragansett</b>	Foster, L.S. .... CBO	Taylor, I.R. .... FN
Haggenmacher, J.E. .... CBM	Hazard, D.L. .... EB	Garnell, A.W. .... M	Troppoli, A.V. .... N
Springs, J.D. .... CBM	<b>Newport</b>	Graham, C.H. .... IN	Van Hoesen, H.B. .... L
<b>East Providence</b>	Belmont, Perry ....	Hunt, J. McV. .... IHN	Walter, H.M. .... CBO
Russell, W.W. .... C	Eppey, Marion .... BC	Hunter, W.S. .... I	Walter, H.E. .... F
<b>Edgewood</b>	<b>Pawtucket</b>	Kenerson, W.H. .... M	Weston, Miss M.D. .... G
Stanton, R.E. .... FG	Hays, C.E. .... BM	Kraus, C.A. .... CB	Wilcox, Miss A.W. .... FGQ
<b>Hamilton</b>	Hoffman, F.W. .... D	Lindsay, R.B. .... BA	Wilder, Miss M.C. .... F
Patterson, I.W. .... M	<b>Providence</b>	Lindsley, D.B. .... I	Wilson, Mrs. J.W. .... F
<b>Kingston</b>	Anderson, E.G.E. .... CN	Lownes, A.E. .... GOL	Wilson, J.W. .... F
Adams, G.E. .... O	Archibald, R.C. .... AL	Maguire, C.A. .... MEA	Wing, E.S. .... N
Barlow, John .... F	Banta, A.M. .... FGH	Manning, H.P. .... A	Wulsin, F.R. .... HKL
Batchelder, E.L. .... CNF	Baylis, C.A. .... KAI	Marshall, A.E. .... CM	Ziegel, H.H. .... CIN
Browning, H.W. .... CG	Beckwith, Mrs. D. .... I	Mead, Mrs. A.W. .... HFO	
Chase, Miss M.E. .... CNQ	Bird, Miss G.E. .... I	Mead, A.D. .... FGH	<b>Riverside</b>
Cheadle, V.I. .... G	Bowman, R.O. .... NC	Messinger, H.C. .... N	Eddy, L.C. .... M
Coggins, C.L. .... B	Brown, C.W. .... E	Midgley, A.L. .... Nd	<b>Tiverton</b>
Durham, G.B. .... FG	Bryant, W.L. .... EHF	Miller, C.W. .... B	Chace, F.A. .... N
Ebbs, Miss J.C. .... NFI	Cady, W.H. .... C	Mitchell, P.H. .... NFC	<b>Wakefield</b>
Fish, C.J. .... FE	Calfee, John .... C	Otis, A.B. .... FO	Durfee, C.H. .... IO
	Callender, W.R. .... KNF	Phalen, H.R. .... A	<b>West Barrington</b>
	Chambers, R.F. .... C	Precourt, J.G. .... NBC	Brown, R.M. .... E
	Charbonnel, E.A. .... BN	Putnam, H.C. .... NO	<b>West Warwick</b>
	Church, G.L. .... G	Quinn, A.W. .... E	Brant, Miss L. .... BAD
	Cofer, C.N. .... IH	Quirk, A.L. .... BAO	
		Rakestraw, N.W. .... CNO	
		Richardson, R.G.D. .... A	
		Robbins, Miss E. .... CFB	
		Sawin, F.B. .... FOH	

## SOUTH CAROLINA

<b>Charleston</b>	<b>Charleston, Cont'd.</b>	<b>Charleston, Cont'd.</b>	<b>Clemson, Cont'd.</b>
Bragg, Miss L.M. .... HQ	Lunz, G.R., Jr. .... F	Slocum, H.J., Jr. ....	Berly, J.A. .... F
Cable, Miss L.E. .... FEH	Lynch, K.M. .... N	Smith, N.F. .... B	Calhoun, F.H.H. .... EOG
Clement, A.C. .... F	Martin, F.N., Jr. NpFG	vande Erve, John . NKI	Collings, G.H. .... OEG
Donahue, J.K. .... F	Metcalfe, Isaac .... F	Wade, B.L. .... GOF	Cooper, H.P. .... OGC
Dye, L.A. .... A	Nette, Miss H.G. .... NF	Zeigler, W.H. .... Np	Earle, S.B. .... M
Hanson, A.W. .... B	O'Driscoll, W.C. FNI		Edmond, J.B. .... O
Harris, P.L. .... CNO	Pollitzer, Miss M.L. .... OGF	<b>Clemson</b>	Huff, L.D. .... B
Hoch, J.H. .... NpGC	Poole, C.F. .... OGF	Albert, W.B. .... GO	Hunter, H.L. .... CB
Hughes, Horatio .... CB	Prout, W.A. .... CNp	Armstrong, G.M. .... GO	LaMaster, J.P. .... HO
Johnson, F.B. .... N	Remington, R.E. .... CN	Arndt, C.H. .... GON	Musser, A.M. .... OG
Kinard, F.W. .... NCQ		Aull, W.B. .... GON	Sherman, Franklin .. F

**Clemson, Cont'd.**

Taylor, F.H. ....G  
Upholt, W.M. ....FO  
Wise, G.H. ....OC

**Clinton**

Fish, H.S. ....F

**Columbia**

Coatney, G.R. ....FG  
Copenhaver, J.E. .CNB  
Crow, O.F. ....O  
Gibbes, J.H. ....N  
Ham, Coyt. ....IKL  
Hoy, W.E. ....FN  
Jackson, J.B. ....AD  
McKaig, N., Jr. ....CO  
Mayne, Bruce ....FN  
Morse, Josiah ....I  
Petty, J.J. ....E

**Columbia, Cont'd.**

Roller, E.M. ....CON  
Schayer, Isadore .NO  
Smith, L.L. ....E  
Taber, Stephen .EMC

**Florence**

Evans, W.H. ....G  
Graham, T.W. ....G  
Salters, L.B. ....N

**Georgetown**

Ward, Granville ...PC

**Greenville**

Earle, B.H. ....N  
Grassy, R.G. ....EM  
Ives, S.A. ....GF  
McPherson, J.A. .M  
Riddle, C.D. ....F

**Greenville, Cont'd.**

Sampey, J.R., Jr. ....C  
Thorp, E.M. ....EC

**Greenwood**

Haskew, C.A. ....CBM

**Hartsville**

Agnew, D.C. ....IO  
Dickinson, G.M., Jr. CB  
Matthews, Miss V.D. .G

Mills, J.E. ....C  
Wilds, G.J. ....OGK

**Moncks Corner**

Blizzard, A.W. ....GF

**Newberry**

Park, James ....CB  
Trabert, C.L. ....KLQ

**Rock Hill**

Hess, Miss M. ....FG  
Naudain, G.G. ....CBQ  
Potter, Miss I. ....FG  
Terry, E.I. ....E

**Spartanburg**

Buie, T.S. ....OE  
Eargle, D.H. ....EOG  
Fuller, G.L. ....EO  
Hagge, H.P. ....OPG  
Lauderburn, D.E. OGE  
Sawyer, E.L. ....F  
Tabor, Paul ....O  
Williams, E.A. ....FG

**Sumter**

Morse, S.F. ....OME

**SOUTH DAKOTA****Aberdeen**

Jensen, J.H. ....C

**Brookings**

Brown, G.L. ....ADB  
Metzger, W.I. ....NCG  
Miller, W.L. ....G  
Moxon, A.L. ....CFG  
Poley, W.E. ....OC  
Severin, H.C. ....F  
Snyder, C.G. ....G  
Swenson, S.P. ....OGO  
Wallis, G.C. ....OCQ  
Webster, V.S. ....C

**Custer**

Roeser, Jacob, Jr. .GO

**Flandreau**

Brophy, B.J. ....QIK

**Huron**

Issenhuth, William .BCD

**Lead**

Noble, J.A. ....EH

**Milbank**

Gregory, D.A. ....N

**Mitchell**

Kendall, A.R. ....CNP  
Semans, C.J. ....KQI

**Rapid City**

Bessey, W.H. ....B  
Connolly, J.P. ....EQM  
Lincoln, F.C. ....MEQ  
Petrie, G.W. ....ABD  
Tullis, E.L. ....EMO  
Watson, C.G. ....B

**Sioux Falls**

Edwards, J.K. ....G  
Froemke, J.A. ....CBA  
Hofstad, O.M. ....CA  
Hoyem, A.G. ....B  
Lofthus, Orin ....F

**Spearfish**

Bennett, F.L. ....GFO

**Vermillion**

Churchill, E.P. ....F  
Eyster, H.C. ....G  
Handley, C.A. ....Np  
Julian, J.H. ....F  
Manter, J.T. ....FII  
Rothrock, E.P. ....E  
Shaw, E.H., Jr. ....CNF

**Viborg**

Griffiths, Robert ...ND

**Watertown**

Jones, D.F. ....CNP

**Yankton**

Larrabee, A.P. ....F

**TENNESSEE****Bristol**

Butler, C.S. ....FN  
Mundie, J.R. ....G

**Chattanooga**

Bishop, E.L. ....N  
Brill, K.G., Jr. ....EH  
Brimlow, G.F. ....L  
Cornelius, D.W. .BDM  
Grote, I.W. ....C  
Gurney, C.H. ....N  
Hunt, J.S. ....FG  
Kistler, G.H. ....N  
Kruesi, P.J. ....O  
Laurence, R.A. ....EM  
McCallie, J.P. ....DA  
McGavock, C.B., Jr. .EM

McGilliard, Miss E. .G  
Money-maker, B.C. .EM  
Robbins, F.M. ....MCB  
Taylor, W.M. ....I  
Taylor, Mrs. R.S. ....Q  
Terrill, Miss E.D. ....

**Cleveland**

West, F.E. ....CGF

**Cookeville**

Ashburn, H.G. ....CBA  
Bartoo, D.R. ....GE  
Dicus, A.W. ....B  
Hutchinson, R.O. .BAD

**Copperhill**

Conroy, E.H. ....CGO  
Nikitin, A.A. ....C

**East Chattanooga**

Turner, W.F. ....F

**Harrogate**

Dickenson, H.F. ....IO  
Eds, J.H. ....I  
Grimm, W.W. ....FNG  
Johnson, LeRoy ....C  
Mangrum, J.F. ....F

**Jackson**

Davis, Reid ....FGN

**Jefferson City**

Bahner, C.T. ....CNO  
Cook, E.M. ....I  
Ives, J.D. ....FG

**Johnson City**

Brown, D.M. ....G  
Huddle, H.B. ....C  
Shearer, D.R. ....MIQ  
Sherrod, C.C. ....O  
Yoakley, Miss Ina .EQ

**Knoxville**

Adams, Sidney ....I  
Amick, H.C. ....EHM  
Bentley, G.M. ....F  
Brett, Axel ....I  
Browning, Charles .OB  
Buehler, C.A. ....CPE  
Canning, G.A. ....FN  
Collins, R.L. ....EFG  
Copeland, L.D. ....C  
Dougherty, N.W. .MK  
Drain, B.D. ....O

**Knoxville, Cont'd.**

Fippin, E.O. ....BCO  
Gildersleeve, B. ....E  
Hall, G.M. ....EM  
Hayes, Hanceford .N  
Hertel, K.L. ....B  
Hesler, L.R. ....G  
Hyre, R.A. ....G  
MacIntire, W.H. ....OC  
MacLeod, Miss F.L. .C  
Marcovitch, Simon .F  
Mayer, L.S. ....OFG  
Meyer, Henry ....FG  
Meyer, S.L. ....GF  
Moers, C.A. ....G  
Moore, K.C. ....CGB  
Morgan, H.A. ....F  
Mueller, A.D. ....IQK  
Perry, G.S. ....OFG  
Powers, E.B. ....F  
Rostorfer, H.H. ....C  
Robertson, J.H. ....C  
Rommel, G.M. ....OK  
Sherbakoff, C.D. ....G  
Southernland, H.L., Jr. .M

Williams, D.E. ....COF  
Woodward, S.M. .MQA

**Madison College**

Brolliar, Floyd ...FGO

**Maryville**

Brown, Mrs. B.H. ....G  
Green, S.A. ....FGN

**Maryville, Cont'd.**

Howell, George ....CBA  
Knapp, G.A. ....A  
Orr, H.E. ....Q

**Memphis**

Atkinson, J.D., Jr. .CMI  
Baker, C.L. ....FG  
Crandall, L.A., Jr. .N  
Diehl, C.E. ....F  
Eliot, T.S. ....F  
Freedman, H. ....NCH  
Freeman, C.P. ....G  
Gibbs, O.S. ....Np  
Jelks, J.L. ....N  
Michelson, I.D. ....NC  
Moore, C.E. ....GF  
Peters, H.C. ....N  
Rhodes, P.N. ....B  
Rowland, W., Jr. ....N  
Seager, L.D. ....NpFG  
Smith, F.W. ....N  
Vinsant, R.S. ....Nd  
Wendel, W.B. ....NC  
Wod, P.H. ....IN

**Murfreesboro**

Davis, George ....GFE  
Edney, J.M. ....FG

**Nashville**

Alexander, L.E. .FGN  
Bircher, L.J. ....C  
Bottom, Miss F. ....G  
Brewster, S.F. ....EFO  
Brunschwig, Lily .IQK

## Nashville, Cont'd.

Casparis, H.R. ....N  
 Chadwick, C.S. ....F  
 Clark, S.L. ....N  
 Crawford, L.W. ....Q  
 Cuff, J.R. ....N  
 Deacon, W.M. ....NOF  
 DeMonbreun, W.A. ....N  
 Densen, P.M. ....KNA  
 Evers, F.B. ....F  
 Folger, H.T. ....F  
 Fountain, C.R. ....BAD  
 Fox, J.W. ....CP  
 Gage, G.R. ....G  
 Ganier, A.F. ....FHM  
 Garrey, W.E. ....N  
 Garrison, S.C. ....OI  
 Glenn, L.C. ....E  
 Goodpasture, E.W. ....FGN

## Nashville, Cont'd.

Hazlett, D.C. ....EGF  
 Hernandez, R. ....NI  
 Ines, E.S. ....B  
 Ingersoll, A.W. ....C  
 Johnson, C.S. ....KOO  
 Johnson, L.M. ....CNO  
 Kent, G.C. Jr. ....FN  
 Knudsen, C.W. ....Q  
 Lamson, P.D. ....NP  
 Leathers, W.S. ....NFK  
 McBride, W.H. ....NKB  
 McClure, James. ....ABD  
 McGill, J.T. ....C  
 Mayfield, G.R. ....FG  
 Meleney, H.E. ....NF  
 Miser, W.L. ....A  
 Moncreiff, Ruth. ....IAQ  
 Morgan, H.J. ....N  
 Mullowney, J.J. ....NI

## Nashville, Cont'd.

Munn, N.L. ....IFK  
 Park, R.E. ....KH  
 Peterson, J.K. ....AB  
 Pond, W.F. ....EM  
 Puffer, R.R. ....NK  
 Quinland, W.S. ....N  
 Reinke, E.E. ....F  
 Rich, Celia. ....Nd  
 Robbins, B.H. ....N  
 Robinson, C.S. ....NCO  
 Slack, F.G. ....B  
 Snyder, T.L. ....CNG  
 Stoughton, R.W. ....C  
 Talley, T.W. ....C  
 VanHorn, C.E. ....A  
 Ward, J.W. ....NF  
 Webb, H.A. ....QCO  
 White, W.R. ....C

## Norris

Cahn, A.R. ....FG  
 Evans, Llewellyn. ....MNC  
 Hunter, C.E. ....ECN  
 Wiebe, A.H. ....F  
 Wilson, Hewitt. ....MCE

## Ripley

Wilson, E.B. ....ABE

## Sewanee

Davis, Roy, B. ....C  
 McDonald, J.M.S. ....IHF  
 Moyer, J.F. ....OGE  
 Myers, G.B. ....DHI  
 Petry, R.L. ....B  
 Scott, J.M. ....CB

## Spring City

Fox, Portland. ....ECD

## TEXAS

## Abilene

Mullings, M.E. ....AB  
 Olsen, Julius. ....BDC  
 Watts, O.O. ....CBH

## Alpine

Smith, V.J. ....HQM  
 Sperry, O.E. ....GQ

## Amarillo

Foltz, R.A. ....MAQ  
 Sime, P.R. ....F

## Angleton

Reed, H.M. ....O  
 Stansel, Roy H. ....OGF

## Arlington

Dickey, G.L. ....Q  
 Howard, C.M. ....A  
 Hughes, W.L. ....FG  
 Killian, O.J. ....GF  
 Murchison, J.T. ....C  
 Whitney, W.B. ....CQN

## Austin

Adams, F.J. ....OIH  
 Albers, C.C. ....GCNP  
 Bailey, J.R. ....C  
 Batchelder, P.M. ....ADB  
 Bennett, R.R. ....E  
 Berry, L.J., Jr. ....FGC  
 Boner, C.P. ....B  
 Boysen, Miss Helen. ....F  
 Boysen, J.L. ....L  
 Branch, M.E. ....KLO  
 Breland, O.P. ....P  
 Brogan, A.P. ....KI  
 Brown, S.L. ....B  
 Brown, W.L. ....IQ  
 Burr, J.G. ....F  
 Burwell, Miss L.L. ....FG  
 Campbell, T.N. ....II  
 Colby, M.Y. ....B  
 Craig, H.V. ....ABD  
 Dawson, P.M. ....NOL  
 Deen, A.H. ....EH  
 Ergle, D.R. ....C  
 Ettlinger, H.J. ....ABD  
 Gidley, W.E. ....CNP  
 Godfrey, R.S. ....NFK  
 Goldsmith, G.W. ....FG  
 Goldstein, M.S. ....H  
 Gray, C.T. ....Q  
 Gregory, J.T. ....EF  
 Harper, H.W. ....CN  
 Henze, H.R. ....C  
 Hungate, R.E. ....FGC  
 Jordan, H.V. ....O

## Austin, Cont'd.

Knight, James. ....IO  
 Kuchne, J.M. ....B  
 Lewis, I. McK. ....G  
 Lubben, R.G. ....A  
 Lund, E.J. ....FN  
 McAllister, Fred. ....G  
 McAllister, J.G. ....HKI  
 McConnell, D. ....ECB  
 Mainland, Gordon. ....F  
 Manuel, H.T. ....OI  
 Martin, C. ....Q  
 Moore, Miss E.J. ....BO  
 Moore, R.L. ....A  
 Nau, Carl A. ....CNP  
 Neville, W.R., Jr. ....C  
 Patterson, J.T. ....F  
 Perrin, F.A.C. ....I  
 Phelps, Austin. ....FE  
 Plummer, Mrs. H.J. ....E  
 Prouse, E.J. ....DEA  
 Rayner, C.B. ....GED  
 Richmond, W.E. ....ECB  
 Rightor, F.E. ....KMP  
 Romberg, Arnold. ....B  
 Rosene, Miss H.F. ....FCG  
 Schuhardt, V.T. ....NFG  
 Simonds, F. ....E  
 Snell, E.E. ....CGF  
 Taylor, Howard. ....MBC  
 Tharp, B.C. ....G  
 Umstatt, J.G. ....Q  
 Whitney, F.L. ....E  
 Williams, R.J. ....C  
 Winters, Jet C. ....CFN  
 Wright, L.D. ....CN

## Bastrop

Dodson, P.J. ....Q

## Baytown

Cornelius, L.W. ....MB

## Beaumont

Tullis, E.C. ....GC

## Belton

Capt. Miss Lucile. ....GFE  
 Gordy, Walter. ....BCA  
 LeVesconte, Amy. ....C

## Brownsville

Anderson, C.G. ....G  
 Land, W.J.C. ....GE

## Brownwood

Hutchins, L.M. ....GCO  
 Nickels, C.B. ....F  
 Rue, J.L. ....GO  
 Smith, C.L. ....GC

## Brady

Burrow, E.A. ....MAB

## Bryan

Fuller, F.D. ....CO  
 Hopkins, S.H. ....F  
 LaMotte, Chas. ....G

## Cameron

Rischar, Eduard. ....NIB

## Canyon

Alexander, Kliem. ....C  
 Studer, F.V. ....HE  
 Walker, Miss D. ....EK

## College Station

Adriance, G.W. ....Q  
 Bacon, C.S., Jr. ....Q  
 Beasley, J.O. ....GO  
 Bilsing, S.W. ....F  
 Carter, W.T. ....EGO  
 Conner, A.B. ....OEG  
 Cover, Sylvia. ....CN  
 Dana, B.R. ....O  
 Doak, C.C. ....GFO  
 Donahue, Roy L. ....OGC  
 Dunlap, A.A. ....G  
 Ezekiel, W.N. ....GOC  
 Fletcher, R.K. ....FC  
 Flory, W.S., Jr. ....OG  
 Fraps, G.S. ....C  
 Giesecke, F.E. ....MA  
 Goldich, S.S. ....E  
 Gross, G.L. ....BAM  
 Hamalainen, Carl. ....C  
 Hesse, C.J. ....EFH  
 Jones, J. McK. ....O  
 Jones, L.G. ....O  
 Kemmerer, A.R. ....CO  
 Leith, T.S. ....N  
 McCorkle, W.H. ....BA  
 Mangelsdorf, P.C. ....GO  
 Marsteller, R.P. ....NOQ  
 Pearson, P.B. ....OCN  
 Potter, G.E. ....FG  
 Quisenberry, J.H. ....FON  
 Schmidt, Hubert. ....NF  
 Schoepfle, G.K. ....BAM  
 Scoates, Mrs. Dan. ....N  
 Silvey, O.W. ....B  
 Smith, E.G. ....MB  
 Taylor, W.P. ....FGE  
 Thomas, F.L. ....F  
 Treichler, Ray. ....ONC  
 Trotter, Ide P. ....OGF  
 VanVolkenberg, H.L. ....FNO

## College Sta., Cont'd.

Warwick, B.L. ....FNO  
 Watkins, G.M. ....G  
 Wender, S.H. ....CO  
 Whitacre, Jessie. ....QK  
 Williams, D.W. ....OCK  
 Yarnell, S.H. ....GO

## Comanche

Taylor, E.A. ....Q

## Commerce

Bodemann, Elsie. ....FG  
 Denny, Miss Grace. ....G  
 Freeman, W.W. ....LOI  
 Lafferty, H.M. ....OFC  
 Lutz, C.M. ....CED

## Corpus Christi

Hansell, J.M. ....E  
 Heinemann, G. ....CM  
 Price, W.A. ....E  
 Schoenfeld, O.B. ....PMB

## Dallas

Albritton, C.C., Jr. ....EF  
 Allison, W.J. ....NIF  
 Anderson, G.H. ....EKC  
 Beers, R.F. ....MBE  
 Biddison, P. McD. ....M  
 Black, J.H. ....N  
 Boon, J.D. ....BD  
 Burdine, N.T. ....B  
 Caldwell, G.T. ....N  
 Carraway, T.W. ....ABD  
 Charlton, O.C. ....G  
 Chase, F.L. ....M  
 Cline, J.L. ....B  
 Collingwood, D.M. ....EMB

Connell, W.B. ....CM  
 DeGolyer, E.L. ....E  
 Fisher, W.M. ....NF  
 Foscoe, E.J. ....E  
 Freeman, Miss E.A. ....IK  
 Gardner, C.B., Jr. ....C  
 Garrett, M.M. ....E  
 Geiser, S.W. ....FL  
 Heuse, E.O. ....C  
 Hurt, Geo. E. ....N  
 Karcher, J.C. ....BM  
 Kemp, Garrett. ....B  
 Laake, E.W. ....FO  
 Lahee, F.H. ....E  
 Longnecker, M. ....GFO  
 McDermott, E. ....BAE  
 McDonald, F.C. ....B  
 McGhee, G.C. ....EBM

## Dallas, Cont'd.

Martonak, S.H. .... BMI  
 Miller, J.N. .... CB  
 Minton, J.P. .... EB  
 Nichols, C.A. .... OK  
 Penn, W.D. .... MBA  
 Pritchett, H.L. .... KN  
 Ransone, W.R. .... BEA  
 Reagor, E.C. .... C  
 Rogers, Fred T. .... N  
 Rosenthal, Helman CN  
 Sanders, Ottys .... F  
 Seneker, Seehorn . QIK  
 Shelburne, S.A. .... NC  
 Shuler, E.W. .... E  
 Slaughter, D. .... NpOC  
 Stephens, I.K. .... IKB  
 Sweeney, J.S. .... N  
 Tidwell, H.C. .... NC  
 Tunnell, J.W. .... NFH  
 Turner, C.M. .... CBNp  
 Whedbee, Edgar .... CH  
 Wrather, W.E. .... E  
 Yarborough, Jos. U. .... I

## Denton

Birge, W.I. .... FG  
 Bonney, Merl .... IO  
 Brierley, Jean .... FG  
 Clark, W.H. .... CB  
 Floyd, L.P. .... C  
 Foster, R.L. .... CN  
 Griffith, Esther .... C  
 Hamilton, Viola .... GFH  
 Hanson, E.H. .... AB  
 Harris, B.B. .... FG  
 Johnston, Miss Ola .... F  
 Ludeman, Miss H.A. .... C  
 McConnell, W.J. .... K  
 McLaughlin, Miss L. .... CNO

Nelson, Miss Ina F. HL  
 Plummer, Miss B.A. .... NFG  
 Scoular, F.I. .... NC  
 Steidinger, Miss R. .... I  
 Whitmore, H.G. .... C

## Dolores

Davis, R.W. .... M

## El Paso

Barry, J.G. .... EMC  
 Berkman, A.H. .... GF  
 Black, A.P. .... NC  
 Clendenin, T.P. .... EM  
 Knapp, E.J. .... ABD  
 Leech, J.S. .... A  
 McNutt, C.E. .... CMP  
 Olson, L.V. .... CNM  
 Waite, W.W. .... N

## Fort Davis

Elvey, C.T. .... D

## Fort Sam Houston

Crimmins, M.L. .... FHL  
 Hart, W. Lee .... KN

## Fort Worth

Donoghue, David . EM  
 Gaines, Newton .... B  
 Hawley, J.B. .... M  
 Hewatt, W.G. .... F  
 Heyer, A.H. .... E  
 Monnig, O.E. .... DEA  
 Ogden, L.A. .... M  
 Osborn, Ben .... FGO  
 Pearson, J.T. .... K  
 Scott, Gayle .... EF  
 Smith, R.A. .... QIK  
 Sudheimer, R.L. .... NFE  
 Whitman, J.L. .... CB  
 Winton, Mrs. H.T. .... FG  
 Winton, W.M.C. .... EF

## Fredericksburg

Roe, H.T. .... ACD  
 Axelrad, B.A. .... CEK

## Freer

Wilkins, Mrs. C.L. .... IKL

## Galveston

Bodansky, Meyer .... C  
 Brindley, Paul .... NO  
 Duncan, Donald .... N  
 Gingrich, W. .... FN  
 Hendrix, B.M. .... C  
 Herrmann, G.R. .... N  
 James, W.A. .... BCO  
 Oppe, Miss Greta .... OC  
 Place, Jesse A. .... N  
 Porter, E.L. .... N  
 Sauer, M.E. .... N  
 Sharp, W.B. .... N  
 Sinclair, J.G. .... NF  
 Spies, J.W. .... N  
 Taft, C.H., Jr. .... F  
 Wells, N.W. .... AB

## Garland

Fuston, W.J. .... M

## Gatesville

Leaird, Byron .... E

## Georgetown

Godbey, J.C. .... CBE  
 Ullrich, O.A. .... IO  
 Wolcott, G.B. .... GF

## Graham

Johnston, A.W. .... EM

## Harlingen

Davis, L. Irby .... FG  
 McAlister, L.C., Jr. .... F

## Houston

Adler, J.L. .... EB  
 Altenburg, Edgar .... F  
 Bailey, T.L. .... E  
 Banta, H.E. .... B  
 Barnett, D.G. .... E  
 Blau, L.W. .... BA  
 Bonner, T.W. .... BA  
 Brown, C.B. .... BEA  
 Carlton, D.P. .... E  
 Chandler, Asa C. .... FN  
 Collect, J.D., Jr. .... M  
 Daniels, A.S. .... CGM  
 Davies, J.I. .... FG  
 Deussen, Alex. .... E  
 Eby, J.B. .... E  
 Elliott, F.C. .... Nd  
 Fenton, Alfred .... F  
 Fletcher, H.W. .... M  
 Fohs, F.J. .... E  
 Frey, C. Elmer .... N  
 Fulton, W.F. .... C  
 Garrett, J.B. .... E  
 Gill Stanley .... MCB  
 Gray, G.R. .... C  
 Greulich, V.A. .... GFO  
 Halbouty, M.T. .... EM  
 Hanna, M.A. .... EFM  
 Hartsook, A.J. .... MC  
 Hauser, Abe .... N  
 Heaps, C.W. .... B  
 Heiser, J.M., Jr. .... FCK  
 Henderson, H.I. .... BEC  
 Hogan, Miss F.M. .... IKO  
 Horvitz, Leo .... C  
 Israel, Sidney .... N  
 Isvekov, V.G. .... CN  
 Ivy, J.S. .... EBD  
 Judson, S.A. .... E  
 Kannenstine, F.M. BM

## Houston, Cont'd

Kirkpatrick, C.S. .... M  
 Kroeber, F.W. .... CMG  
 Lemm, Fred .... BAP  
 Leonardon, E.G. .... M  
 Lovett, E.O. .... AQ  
 McCollum, B. .... BEM  
 McCready, H.J. .... EAB  
 MacMahon, A.M. .... B  
 Milligan, W.O. .... CB  
 Morse, Roy R. .... E  
 Mott-Smith, L.M. .... B  
 Mott-Smith, M.C. .... B  
 Mower, L.K. .... E  
 Pennington, J.V. PAM  
 Redfield, R.C. .... EHM  
 Reynolds, F.F. .... BEM  
 Rich, R.C. .... CEM  
 Rogers, J.K. .... E  
 Rosaire, E.E. .... BCE  
 Rust, W.M., Jr. .... ABM  
 Sauls, J.L., Jr. .... E  
 Schuhmann, E.W. BAC  
 Slotnick, M.M. .... ABE  
 Swinford, J.K. .... M  
 Teas, L.P. .... E  
 Ward, F.D. .... FG  
 Weaver, Paul .... BE  
 Weiser, H.B. .... CB  
 Wilson, H.A. .... B  
 Woods, J.P. .... BM

## Howe

Ferguson, A.M. .... OGG

## Huntsville

Baird, Don O. .... QFG  
 Carrington, E.M. .... QI  
 Etheridge, T.H. .... QIK  
 Floyd, W.W. .... C  
 Keith, Lillian .... CBA  
 Warner, S.R. .... G

## Jacksonville

Ebaugh, F.W. .... CMO  
 Young, P.A. .... GO

## Kerrville

Bryant, M.D. .... FGO  
 Hammond, T.M. .... B

## Kingsville

Cross, J.C. .... F  
 Kleberg, R., Jr. .... C

## League City

Langford, C., Jr. .... MBE

## Lubbock

Abbitt, W.H. .... AM  
 Bahm, A.J. .... IK  
 Craig, W.M. .... C  
 Dysart, Miss B.K. .... IO  
 George, E.F. .... B  
 Glock, Waldo S. .... E  
 Hefley, H.M. .... FNG  
 Hill, Harry .... B  
 Karper, R.E. .... OFG  
 Landwer, M.F. .... FN  
 McCrery, Ronnie .... CFO  
 May, Miss L.B. .... AD  
 Michie, J.N. .... ABD  
 Patton, L.T. .... E  
 Reed, E.L. .... G  
 Rolf, F.W. .... CEB  
 Schmidt, C.C. .... B  
 Sidwell, Raymond .... E  
 Sparks, F.W. .... A  
 Studhalter, R.A. .... G  
 Underwood, R.S. .... A  
 Wolf, Miss M.M. NCK

## Mercedes

Shaw, W.F. .... M  
 Taylor, J.B. .... BCE

## Midland

Bates, R.L. .... E  
 Chase, C. Louis .... E  
 Graves, H.B., Jr. .... E  
 Jackson, O.B. .... BAE  
 Stephenson, M.B. .... E

## Mission

Avery, Paul C. .... FKE

## Mont Belvieu

Shearer, A.R. .... FNII

## Nacogdoches

Adams, R.H. .... FG  
 Parks, Hal B. .... FG  
 Upton, R.G. .... FGH

## Newgulf

Butterworth, C.E. CM

## Odessa

Roberts, M.E. .... E

## Palestine

Frizzell, Bonner . QKI

## Perryton

Jacquot, L.L. .... OGO  
 Manly, J.O., Jr. .... GF

## Pittsburg

Bailey, L.B. .... CQM

## Plains

Cribbs, W.J. .... G

## Port Arthur

Davis, L.M. .... C  
 Ludeman, C.G. .... C  
 Mangelsdorf, T.A. .... CMB

## Port Neches

Dengler, F.S. .... C  
 Schwyer, H.E. .... MC  
 Traxler, R.N. .... CBM

## Prairie View College

Dooley, T.P. .... FGO  
 Perry, R.P. .... COB

## Rockport

Collier, Albert .... F  
 Gunter, Gordon .... F

## San Angelo

Mitchell, W.C. .... NF

## San Antonio

Atkinson, D.T. .... N  
 Bogusch, E.R. .... GEO  
 Butler, Wallace .... G  
 Collignon, E.C. .... CBA  
 Cushing, A.B. .... CBL  
 Finch, E.H. .... EON  
 Friesenbahn, Sister  
   Mary Clarence .... C  
 Gill, W.D. .... NFC  
 Gish, W.G. .... E  
 Gutzeit, C.L. .... CB  
 Hill, P.B. .... HCB  
 Kelley, Ward .... EBC  
 Knoll, W.V. .... NEF  
 McAmis, Miss A.J. CN  
 O'Byrne, Sister M.E. .... RC  
 Parker, H.P. .... BEM  
 Parks, H.B. .... F  
 Petty, D.E. .... EMB  
 Petty, O.S. .... MBE

San Antonio, Cont'd.  
 Pladeck, Miss M. ....G  
 Porch, E. L., Jr. ....EM  
 Sunden, O. E. ....BCI  
 Semmes, D. R. ....E  
 Steese, James G. ....ME  
 Tulloch, L. H. ....A  
 Vickery, R. A. ....F

San Marcos  
 Smith, C. S. ....F

Seymour  
 Kemp, Mrs. A. H. ....E

Sherman  
 Steffy, W. W. ....B

Sonora  
 Babcock, O. G. ....F

Stephenville  
 Baker, Mrs. E. H. BEQ

Temple  
 Hill, H. O. ....MO

Terrell  
 Overstreet, G. T. ...CG

Texarkana  
 Witt, Paul ....QCB

Tulia  
 Miller, L. C. ....GO

Tyler  
 Alexander, C. I. ....EF  
 Pitte, G. W. ....EMF

Rouse, J. T. ....E

Uvalde  
 Barrett, W. L., Jr. ...F  
 Getzendanner, F. M. ...E  
 Farman, D. C. ....F

Waco  
 Block, S. R. ....B  
 Clanton, B. R. ....C  
 Glick, P. A. ....F  
 Gooch, Wilby T. ...C  
 Jones, E. N. ....GF  
 Lauritzen, C. W. ...OBC  
 Lux, Konrad ....NQK  
 Murray, Leo T. ...FGE  
 Stephens, W. R. ....C  
 Staley, H. W., III. ....BEM

West, G. H. ....BFC  
 Williams, W. J. ...DA

Waxahachie  
 Isely, F. B. ....F

Weslaco  
 Bach, W. J. ....GO  
 Godfrey, G. H. ...GFO  
 Heid, J. L. ....C

Wichita Falls  
 Harris, J. M. ....BEA

Windom  
 Council, F. E. ...CFN

Winter Haven  
 Hawthorn, L. R. ...O  
 Mortensen, E. ...OFG

Woodville  
 Kendall, C. H. ....M

## UTAH

Jensen  
 Boyle, A. C., Jr. ...MED

Logan  
 Anderson, C. L. ....NO  
 Blood, H. L. ....GO  
 Bracken, A. F. ....O

Fletcher, H. C. ...OEK  
 Gardner, Willard ...B

Geddes, J. A. ....K  
 Greaves, J. E. ....N

Henderson, W. W. ...F  
 Israelsen, O. W. ...M

Kelker, G. H. ....FGO  
 Knowlton, G. F. ....F

Linford, L. B. ....BA  
 McAlister, D. F. ....G

Perry, L. E. ....FG  
 Peterson, E. G. ....FG

Phillips, R. W. ...FON  
 Pittman, D. W. ....O

Richards, B. L. ....GO  
 Shapovalov, M. ....GO

Smith, H. H. ....FG  
 Sorenson, C. J. ....FO

Stanford, J. S. ...FON  
 Stark, A. L. ....O

Thorne, D. W. ...OCG

Logan, Cont'd.  
 Wann, F. B. ....G  
 Wright, Stillman ..FG

Murray  
 Clove, James ....QI

Ogden  
 Bailey, R. W. ....ED  
 Cottrell, R. H. ....C

Craddock, G. W. ...OGF  
 Hurd, R. M. ....GO

Lind, J. G. ....E  
 Pearson, Kenneth ...GO

Plummer, A. P. ...GOE  
 Stewart, Geo. ...GOE

Park City  
 Bradley, H. F. ...CBQ

Provo  
 Aird, J. W. ....N

Eyring, C. F. ....B  
 Hales, W. B. ....B

Hansen, G. H. ....E  
 Harris, F. S. ....GOO

Lambert, A. C. ....Q

Provo, Cont'd.  
 Marshall, Milton BAC  
 Maw, C. E. ....C

Richfield  
 Mortenson, F. N. .ONC  
 Robinette, W. L. .FGE

Salt Lake City  
 Adams, T. C. ....MBO

Ahearn, J. M. ....BM  
 Allmond, D. R., Jr. .MQ

Baker, R. D. ....MBI  
 Barnes, C. T. ....FGO

Bennion, Milton ....O  
 Boutwell, J. M. ....EM

Bowen, C. F. ....E  
 Chamberlin, R. V. ...F

Christensen, A. L. .EM  
 Cottam, W. P. ....FG

Crawford, A. L. ...EMF  
 Emery, W. L. ....CM

Fenning, Con ....Np  
 Fleischer, Arthur ...C

Flowers, Seville ...G  
 Freudenberger, C. B. ....FN

Fulks, Joe R. ....BA  
 Garrett, A. O. ....G

Salt Lake City,  
 Cont'd.

Gibson, J. L. ....ADB  
 Goldthorpe, H. C. ...NC

Hamlin, J. C. ....FGO  
 Hance, J. H. ....EM

Hill, Geo. R. ....G  
 Johnson, C. C. ....Np

Kearney, J. C. ....CN  
 Kinney, C. R. ....C

Lathaw, W. L. ....C  
 Lewis, R. S. ....M

Liebner, W. S. ....MC  
 Matson, G. A. ....NC

Merrill, J. F. ....BM  
 Mulaik, Stanley ...QFG

Owen, F. V. ....OGA  
 Pehrson, E. W. ....A

Saccomanno, Geno .FG  
 Schell, Miss M. ...FGN

Schneider, Hyrum ...E  
 Sheldon, Miss E. E. ....CBA

Stafford, Anna A. ...A  
 Truman, O. H. ....BMD

Tugman, Orin ....B  
 West, F. L. ....BCA

Widtsoc, J. A. ....COQ  
 Woodbury, A. M. ...FG

## VERMONT

Barre  
 Bosworth, M. W. .CFN

Bennington  
 Butler, C. L., Jr. ...CN

Chapman, D. W., Jr. .I  
 Lundberg, G. A. ....KIH

Reutter, Miss E. ...FGI  
 Wilson, J. G. ....FN

Woodworth, R. E. GPH

Brookfield  
 Jones, Mrs. A. C. ....G  
 Jones, L. R. ....G

Burlington  
 Adams, W. R. ....GO

Arnold, F. J. ....N  
 Bailey, Guy W. ....I

Brown, Miss C. L. .CNO  
 Burns, G. P. ....G

Burrows, G. H. ....C  
 Cummings, M. B. ...O

Daggs, Ray ....NC  
 Davis, John E. ...NpF  
 Doll, C. G. ....E

Burlington, Cont'd.  
 Dunihue, F. W. ....NF

Eckhard, Geo. F. ...M  
 Gifford, Asa R. ....IKH

Hartman, Ernest FNK  
 Hills, J. L. ....O

Jackson, F. K. ....NL  
 Jacobs, E. C. ....EC

James, W. E. ....NQ  
 Jordan, Hovey ....FN

Kemp, Hardy A. ....N  
 Kern, C. A. ....C

Leonard, C. S. ...CNP  
 Lineken, E. E. ....CM

Marvin, J. W. ....G  
 Metcalf, J. T. ....I

Moody, P. A. ....F  
 Perkins, H. F. ....F

Perry, John ....F  
 Pierce, H. S. ....CNO

Rowell, L. B. ....F  
 Siebel, F. J. M. ....FN  
 Stultz, W. A. ....FN

Thomas, Evan ....A  
 Varney, H. R. ....KOQ

Chelsea  
 Jordan, Miss P. F. FGN

Lyndon  
 Church, M. B. ....G

Manchester  
 Dunbar, F. F. ....FGN

Middlebury  
 Bryant, E. C. ....BD

Howell, C. DeW. ....F  
 Longwell, S. E. ....F

Schmidt, B. M. ....E  
 Wissler, Benjamin BA

Newfane  
 Burlingham, G. S. ...G  
 Grout, A. J. ....G

Northfield  
 Adams, P. H. ....NMC

Howard, S. F. ....CB  
 Howes, D. E. ....BMA

McIntire, S. H. ....B

Poultney  
 Larrabee, D. M. ....E

Swann, R. LeG. ...LIQ

Putney  
 Morris, C. T. ....NC

Morris, D. L. ....CNQ

Rutland  
 Ball, C. F. ....NE

Pennoyer, C. H. ...IKQ  
 Perkins, C. S. ....EDC

Springfield  
 Fellows, E. R. ....M

Wallingford  
 Batcheller, B. C. .BDM

West Brattleboro  
 Bliss, A. D. ....C

White River Junction  
 Hall, E. P. ....N

Winooski  
 Candon, B. H. ....FGN

## VIRGINIA

## Alexandria

Caton, W.P. .... NFG  
 Chancellor, W.E. .... K  
 Dalton, Philip .... MB  
 Hall, R. Clifford .... OK  
 McCord, H.S., Jr. .... B  
 Radu, J.W. ....  
 Reardon, Miss Lucy .F  
 Rice, G.S. .... M  
 Sayers, R.R. .... MN  
 Speh, C.F. .... CAM  
 Wayson, N.E. .... N

## Arlington

Annand, P.N. .... OFG  
 Arrington, Miss R.E. .... KIO  
 Artz, Miss Lena .... G  
 Bayard, K.O. .... MEO  
 Boyle, L.W. .... G  
 Bray, R.S. .... F  
 Butterfield, E.C. .... OM  
 Cohen, Louis .... B  
 Culpepper, Mrs. C.W. G  
 Divine, J.P. .... N  
 Fosberg, F.R. .... GFE  
 Hertzer, R.A. .... M  
 Horner, C.K. .... CGO  
 Johnson, H.W. .... G  
 Kennedy, M.S. .... M  
 Lefebvre, C.L. .... G  
 Leighty, C.E. .... GO  
 Louraine, F.E. .... KLG  
 McKinney, H.H. .... GO  
 Pigman, Ward .... C  
 Rhoades, M.M. .... FG  
 Rice, S.A. .... KHI  
 Schulte, J.I. .... OFG  
 Shands, W.A. .... FGO  
 Stewart, R.T. .... GO  
 Sweeney, W.T. .... BCO  
 Thorp, James .... EO  
 Watson, A.N. .... AKO  
 Winestock, O.C. .... CM  
 Wolesensky, Edw. .... C

## Ashland

Bullington, W.E. .... F  
 Hudson, R.P. .... CB  
 Keeble, W.H. .... B  
 Simpson, T.McN., Jr. .... AD  
 Updike, Ira A. .... CEQ

## Bedford

Harper, Mrs. H.S. .... G  
 Harper, R.A. .... G  
 Smith, W.L. .... MBC

## Blacksburg

Burruss, J.A. .... QKM  
 Cooper, A.H. .... MC  
 Davis, Thomas .... B  
 Drinkard, A.W., Jr. .... CO  
 Ellett, W.B. .... CO  
 Fish, F.H. .... CMQ  
 Fisher, R.A. .... MC  
 Garnett, W.E. .... KQF  
 Gizzard, A.L. .... OC  
 Harrar, J.G. .... C  
 Hill, H.J. .... C  
 Holden, R.J. .... EM  
 Hutcheson, T.B. .... O  
 Jackson, H.W. .... FG  
 Johnson, E.P. .... NF  
 Orcutt, Fred S. .... GCN  
 Massey, A.B. .... GC  
 O'Shaughnessy, L. .... AMD  
 Price, H.L. .... FG

## Blacksburg, Cont'd.

Robeson, F.L. .... B  
 Schoene, W.J. .... F  
 Threlkeld, W.L. .... FN  
 Ussery, H.D. .... B  
 Vernon, J.J. .... KOQ  
 Vilbrandt, F.C. .... MCP  
 Watson, J.W. .... C  
 Whitlock, Miss H. .... FN  
 Williams, J.E. .... A  
 Wilson, I.D. .... FNQ  
 Wingard, Samuel .... G

## Bluefield

Williams, M.G. .... FGE

## Bon Air

Moore, Warren .... F

## Bridgewater

Dove, F.D. .... IO  
 Jopson, H.G.M. .... G  
 Kirchner, Fred K. .... C  
 Shober, E.R. .... FO  
 Wright, C.C. .... K

## Bristol

McKee, Miss Alice GIC  
 Moir, W.M. .... Np

## Buena Vista

Burkette, Miss J.L. .... G

## Cambria

Price, R.H. .... GFO

## Charlottesville

Archer, V.W. .... N  
 Beams, J.W. .... B  
 Bean, R.B. .... H  
 Benton, A.P. .... CB  
 Berglund, Abraham K  
 Brown, T.D. .... FG  
 Corey, E.L. .... F  
 Dennis, Wayne .... IHK  
 Dold, W.E. .... NI  
 Geldard, F.A. .... I  
 Hancock, Harris .... A  
 Holmes, F.T. .... B  
 House, F.N. .... K  
 Hoxton, L.G. .... BD  
 Kepner, W.A. .... F  
 Kline, L.W. .... IOL  
 McGill, W.M. .... ELM  
 Mitchell, S.A. .... D  
 Nelson, W.A. .... E  
 Phillips, W.J. .... F  
 Reynolds, B.D. .... FG  
 Roberts, J.K. .... EM  
 Rodman, W.S. .... M  
 Runk, B.F.D. .... GF  
 Smith, D.C. .... N  
 Southall, J.P.C. .... BAD  
 Sparrow, C.M. .... BAD  
 Speidel, C.C. .... NF  
 Spencer, H.M. .... CBA  
 Vysotsky, Alex. .... D  
 Waddell, J. Alex. .... GN  
 White, O.E. .... G  
 Whyburn, G.T. .... A  
 Wilson, D.C. .... I  
 Yoe, J.H. .... C

## Chatham

Pinckard, J.A. .... G

## Clifton Forge

Hartley, G.S. .... N

## Dahlgren

Riffolt, Nils A. .... B  
 Thompson, L.T.E. .... ABM

## Draper

Oglesby, Miss M.C. .... FGC

## East Falls Church

McLane, J.W. .... BGO  
 Middleton, H.E. .... O  
 Schomer, H.A. .... GCO  
 Van de Water, M. IKH  
 Weld, Lewis H. .... F

## Emory

Casto, E. Ray .... E  
 Littleton, L.R. .... CO  
 Miller, J.S. .... AD

## Enonville

Gruschow, G.F. .... GEO

## Ettrick

Baker, P.H. .... FG  
 Hunter, J. McN. .... BAM

## Fairfax

Handy, E.S.C. .... H  
 Lake, E.R. .... GO

## Falls Church

Kinsley, Carl .... BM  
 Johnson, H.M. .... NCF

## Farmville

Coyner, M. Boyd .... I  
 Jeffers, G.W. .... F  
 Stevens, Miss Edith GF

## Fork Union

Hammock, E.W. .... BC

## Fredericksburg

Cook, R.S. .... C  
 Cornwall, R.T.K. .... C  
 Hts, Hugo .... GF  
 Schultz, H.H. .... FGO  
 Young, W.J. .... IKQ

## Front Royal

Low, G.W., Jr. .... C

## Glen Allen

Rayburn, C.H. .... C

## Greenlee

Poindexter, Miles .LH

## Hampden Sydney

Allan, D.M. .... I  
 Frierson, W.J. .... C  
 Winston, J.H.C. .... CEP

## Hampton

Crooks, K.B.M. .... FIIN  
 Davis, C.H. .... CQN  
 Foreman, Mrs. M.C. GO  
 Lohr, R.F. .... IO  
 Payton, N.F. .... BCM  
 Peele, Miss A.E. .... GF  
 Theodorsen, T. .... BAM  
 Turner, T.W. .... G  
 Wood, D.H. .... MBO

## Harrisonburg

Chappelear, G.W., Jr. G  
 Miller, E. DeWitt .FN  
 Phillips, Ruth .... FNG  
 Showalter, A.M. .... GF

## Hollins

Fillinger, Miss H.H. .C

## Hollins College

Fainsworth, Miss G. .... BAD  
 McGinnis, J.M. .... IIF  
 Patterson, P.M. .... G  
 Sitler, Ida .... F

## Hopewell

Ernst, F.A. .... M  
 Fazal, C.S. .... CBA

## Leesburg

Harris, H.B. ....

## Lexington

Bates, R.L. .... IQ  
 Campbell, L.L. .... B  
 Carroll, R.P. .... GFO  
 Howe, J.L. .... C  
 Knox, R.H., Jr. .... AB  
 Mallory, Francis .... B  
 Smith, L.W. .... A  
 Steidtmann, Edward E  
 Stow, M.H. .... EM  
 Swan, W.O. .... CB

## Lynchburg

Boggs, Miss Isabel .... B  
 French, C. Clement .CQ  
 Friedline, C.L. .... I  
 Hamaker, J.I. .... FGO  
 Harsh, C.M. .... ICN  
 Henderson, L.B. .... G  
 Holmes, J.B. .... N  
 Kilby, C.M. .... BD  
 Larew, Miss G.A. .... A  
 Milne, L.J. .... FGE  
 Peak, Helen .... INK  
 Perrow, M.G. .... CN  
 Raskin, Evelyn .... I  
 Rosenthal, S.H. .... NCE  
 Schofield, Miss F.A. CN  
 Sommerville, R.C. .... I  
 Thornton, Miss N.V. C  
 Wiggin, E.P. .... A  
 Wiltshire, Mrs. G.T. F

## Middleburg

Booth, R.L. .... NO

## Newport News

Rutter, C.M., Jr. .... MCB

## Norfolk

Andrews, M.S. .... NIP  
 Bagley, Miss M. .... KLN  
 Cook, H.T. .... G  
 Francis, G.H. .... NQ  
 Gillespie, Miss E. .... C  
 Holmes, B.T. .... CF  
 Hunter, J.W., Jr. .... N  
 Jones, E.R., Jr. .... FNG  
 Ritter, Sarah M. .... IK  
 Sandholzer, Leslie .N  
 Striz, C.H. ....  
 Thornton, S.F. .... GOG  
 Walker, H.G. .... FGO  
 Zimmerman, J.H. .... O

## Oak Grove

Flemer, J.A. .... MEO

## Petersburg

Branting, B.F. .... C  
 Downing, T.O. .... FN  
 Morris, T.C. .... MCB

<b>Piney River</b>	<b>Richmond, Cont'd.</b>	<b>Rossllyn</b>	<b>University of Richmond</b>
Cauwenberg, W.J. ...C	Hall, J.F. ....NdQ	Dicke, F.F. ....FO	Gaines, R.E. ....A
Hladky, Emil ...MC	Hall, J.K. ....NIO	<b>Salem</b>	Myers, H.I. ....FN
<b>Port Haywood</b>	Hammer, H.R. ....C	Johnson, H.I. ...C	Wheeler, C.H., III. ...A
Diggs, S.H. ....C	Harlan, W.R. ....C	<b>Saluda</b>	<b>Upperville</b>
<b>Portsmouth</b>	Harris, Isabel ...ADB	Craige, J.E. ....NOF	Williams, W.J. ...NOF
Benson, J.F., Jr. ...MCB	Harrison, J.P. ....CO	<b>Somerset</b>	<b>Wachapreague</b>
Cook, S.S. ....N	Hibbard, F.N. ....D	Valentine, J.M. ...FNE	Harmon, Miss F.R. ...FCN
Helm, J.B. ....NOE	Hillsman, O.L. ....C	<b>Staunton</b>	<b>Warrenton</b>
Palmer, Fred, III. CM	Holliday, G.W. ....Nd	Daffin, J.B. ....CB	Hodgkin, W.N. ....Nd
Webb, L.W. ....BM	Horsley, J.S. ....N	James, Harold ...B	<b>Waterford</b>
<b>Pulaski</b>	Jeffries, L.F. ....CB	Opie, H.L. ....B	McDaniel, A.B. ...MQ
Smith, R.O. ....NCL	Jones, W. Catesby ...C	Sprinkel, A.H. ....Nd	<b>Waynesboro</b>
<b>Purcellville</b>	Loving, R.E. ....B	Sutherland, L.E., L. CO	Berne-Allen, A., Jr. CM
Crooker, S.J. ....BMC	McCrackan, R.F. CNQ	Taylor, Miss M.E. ...A	Dinwiddie, S.W. ...CP
<b>Radford</b>	Main, R.J. ....NpF	Thomsen, L.C. ....FG	Farquhar, B.S. ....C
Burch, Paul R. ....F	Merlub-Sobel, M. CMK	Trout, Wm. E., Jr. ...C	Hoffman, R.M. ....C
<b>Richmond</b>	Meyers, H.H. ...CMO	<b>Sweet Briar</b>	Rose, William ....CP
Apperly, F.L. ....N	Miller, E.C.L. ....N	Ames, Adeline ...G	<b>West Falls Church</b>
Arnim, S.S. ....Nd	Negus, S.S. ....CN	Cole, Nancy ....A	Westfall, B.B. ...CBD
Arnold, R.B. ....CFO	Newman, C.W. ...EKO	Edwards, Preston BD	<b>West Norfolk</b>
Ashworth, O.O. ....N	Osterud, H.L. ....FN	Hague, Miss F. ....F	Pond, W.F. ....CD
Bailey, J.W. ....FG	Pitt, Miss L.A. ...FCH	Morenus, E.M. ....A	<b>Williamsburg</b>
Bare, C.O. ....F	Pitts, F.P. ....C	Mull, H.K. ....I	Ash, Roy P. ....FN
Baughman, M.B. NLO	Ragland, B.S. ...DMB	<b>University</b>	Davis, D.W. ....FGQ
Bear, Harry ....Nd	Reed, W.D. ....FEG	Bardin, J.C. ....L	Delisle, A.L. ....GFE
Bird, L.C. ....CN	Rucker, M.P. ....NH	Bevan, Arthur ....EO	Guy, W.G. ....C
Bond, Eva ....IQ	Rudd, W.F. ....C	Britton, S.W. ....N	Henneman, R. ....IFK
Bryan, J.S. ....N	Ryland, Garnett ...CO	Cole, J.W. ....CBM	Lambert, J.W. ....C
Clark, Shreve ...CBN	Sanger, W.T. ....TON	Dunnington, F.P. ...CE	Merrymon, W.W. BAC
Clift, William ....C	Sinness, L.D. ...CBP	Edmundson, R.S. ...E	Newcombe, C.L. ...FG
Coghill, H. DeJ. ...NFK	Smith, Foley F. CMN	Gilbert, C. Mc L. ...F	Robb, Robert G. ...CBD
Coty, O.N. ....C	Spealman, C.R. ....N	Husted, Ladley ...GF	Stetson, J.M. ....A
Courtney, R.H., Jr. CN	Staas, A.H. ....FN	Jordan, H.E. ....NF	Taylor, R.L. ....FG
Cox, Edwin ....C	Sutton, L.E., Jr. ...N	Kindred, J.E. ....FGN	Young, R.C. ....B
Crockett, W.G. ...CNP	Traylor, Otis B. ...FGH	Lewis, I.F. ....G	<b>Winchester</b>
Fales, D.E. ....FIC	Trimble, R.D. ....M	Linfield, B.Z. ...ABD	Groves, A.B. ....GOC
Farnsworth, D.L. ...NF	Turnman, A.E. ....N	Miller, J.S., Jr. ...MB	Hawkins, A.C. ...EQ
Fischer, Ernst ...NF	Turner, Randolph FGQ	Pegau, A.A. ....E	Hough, W.S. ....F
Flannagan, Roy K. NK	Vaughan, W.T. ....N	Podtiaguine, M.P. BM	
Forbes, J.C. ....CN	Weatherby, J.H. ...Np	Royster, L.T. ....N	
Freeman, A.C. ...MNK	Willis, E.J. ....ABC		
French, G.T. ....GFO	Winston, L.G. ....C		
Goldsmith, Edward BC	Woody, R.W. ....IKF		
Haag, H.B. ....NpC	<b>Roanoke</b>		
	Keyser, L.D. ....N		
	Stone, H.B., Jr. ....N		
	Trout, H.H. ....N		

## WASHINGTON

<b>Bellevue</b>	<b>Lacey</b>	<b>Pullman</b>	<b>Pullman, Cont'd.</b>
Holzheimer, F.W. ME	Ernsdorff, Bede ....C	Aase, H.C. ....G	Vandecaveye, S.C. ...OCG
<b>Bellingham</b>	Stallbaumer, A.L. ...C	Ashworth, U.S. ...CON	Webster, R.L. ...FO
Cotton, J.C. ....BIL	<b>Lakota</b>	Biddulph, Orlin ...GB	Wheeling, L.C. ...OCE
Flory, Chas. H. ....O	Clark, Lois ....G	Campbell, C.D. ....E	<b>Puyallup</b>
Philippi, H.C. ....C	<b>Long Beach</b>	Cleveland, A.A. ...OI	Breakey, E.P. ....F
Sundquist, Miss L. GFE	Crowley, D.J. ....OG	Cope, R.P. ....CO	Getzendaner, C.W. ...F
<b>Burton</b>	<b>Longview</b>	Culver, H.E. ....EM	Huber, G.A. ....G
Billingsley, Paul ...E	Hatch, R.S. ....C	Ellington, E.V. ....O	Kalkus, J.W. ....ON
<b>Cheney</b>	Wolf, R.B. ....M	Erickson, C.I. ....IO	Landis, B.J. ....F
Freeman, O.W. ....EQ	<b>Mercer Island</b>	Fendrick, Paul ...IO	<b>Seattle</b>
Hungate, Joseph ...FG	Haley, Alva J. ....EM	Gaines, E.F. ....OGO	Benson, H.K. ....C
Tallyn, W.H. ....C	<b>Newport</b>	Gelbach, R.W. ....C	Beazer, G.R. ....C
<b>Ellensburg</b>	Burbidge, Fred. ...MP	Hatch, W.R. ....GOL	Beinke, S.C. ....C
Coffey, H.S. ....IQK	<b>Olympia</b>	Head, F. DeF. ....GO	Berry, J.A. ....GN
Lind, E.L. ....CBA	Houthens, H.M. INQ	Holland, E.O. ....Q	Blucher, J.C. ....C
Smyser, Selden ...KEH	<b>Parkland</b>	Hudson, G.E. ....F	Bodman, Sister M.C. ...GO
<b>Gig Harbor</b>	Hauge, P.E. ....OI	Johnson, E.C. ....O	Bolton, F.E. ....QB
Townsend, L.D. ...FCG	Leraas, H.J. ....FG	Jones, L.K. ....GF	Brakel, H.L. ....Q
<b>Holden</b>	Tingelstad, O.A. ...Q	McCulloch, E.C. NFO	Brooks, H.M. ...CMF
Carithers, Ward ...EM	<b>Prosser</b>	MacLennan, R.F. ...F	Burleigh, J.A. ...KIO
<b>Kennewick</b>	Larson, C.A. ....OCG	Overholser, E.L. ...OG	Cady, G.H. ....CB
Siegfried, J.H. ....M		Pickett, F.L. ....G	Carpenter, A.F. ...A
		Schafer, E.G. ....OG	Chapman, W.M. ...F
		Smith, D.C. ....QI	Clark, E.D. ....C
		Stone, C.W. ....OG	
		Todd, C.C. ....CNO	
		Todhunter, E.N. ...CN	

## Seattle, Cont'd

Clise, J.W. .... DEK  
Clough, Ray W. .... C  
Cooper, F.L. .... C  
Crescortelli, Fred. .... F  
Daquest, W.W. .... FH  
Daniels, Joseph .... M  
Davidson, F.A. .... FO  
Dehn, W.M. .... C  
Diehl, H.C. .... OG  
Dille, J.M. .... NpFC  
Duncanson, H.B. .... F  
Dunlop, H.A. .... FH  
Dybwad, Peter .... NP  
Earle, F.M. .... E  
Esper, E.A. .... ILH  
Finlayson, Alex. DHB  
Fish, F.F. .... FN  
Fisher, L.C. .... B  
Frye, T.C. .... G  
Fuller, R.E. .... E  
Gavett, G.I. .... AK  
Geyer, B.P. .... CNB  
Goodman, Joe .... CFN  
Goodsell, Miss J. NEI  
Goodspeed, G.E., Jr. E  
Graham, L.D. .... DM  
Gronal, Broz L. .... O  
Guberlet, J.E. .... F  
Guthrie, E.R. .... I  
Hassenmiller, K. CAB  
Hatch, M.H. .... F  
Hauschildt, Mrs. A. NC  
Henry, B.S. .... NO  
Hoff, H.A. .... NC  
Hoffstadt, R.E. .... FG  
Horton, G.P. .... I  
Hotson, J.W. .... G  
Jacobson, T.S. .... DBC  
Kincaid, Trevor .... F  
Krems, A.D. .... NCF  
Larson, Harry .... ME

## Seattle, Cont'd.

Laucks, I.F. .... C  
Lingenfeiter, J.S. .... N  
Lynch, J.E. .... F  
McCoy, L.L. .... N  
McKee, R.H. .... MEB  
Magnusson, C.E. .... M  
Magnusson, G.A. .... N  
Martin, A.W. .... NF  
Martin, H.H. .... EKO  
Melin, J.B. .... BAD  
Moie, C.C. .... M  
Mulhern, Miss M.E. .... NF  
Norris, E.R. .... C  
Osborn, F.A. .... B  
Paschall, B.S. .... CGN  
Phifer, L.D. .... GCA  
Quinan, G.E. .... BIC  
Rigg, G.B. .... G  
Riley, H.P. .... GF  
Ritchie, C.L. .... FGO  
Roberts, Milnor .... ME  
Roe, R.S. .... C  
Rose, H.W. .... N  
Savery, William .... IK  
Seeman, A.L. .... E  
Sieg, L.P. .... B  
Smith, G.McP. .... C  
Smith, R.T. .... F  
Sovereign, H.E. .... GFE  
Stanton, E.A. .... O  
Still, Alfred .... BLM  
Stilson, H. .... INK  
Stith, R.M. .... N  
Svihla, Arthur .... F  
Tartar, H.V. .... C  
Taub, A.H. .... AB  
Thompson, E.G. .... C  
Thompson, T.G. .... CM  
Thompson, W.F. .... F  
Uehling, E.A. .... B

## Seattle, Cont'd

Umpleby, J.B. .... E  
Utterback, C.L. .... B  
VanCleve, Richard .. F  
Watson, C.H. .... O  
Weaver, C.E. .... EF  
Werby, H.J. .... FNC  
Westerman, B.D. .... C  
Wheelon, Homer .... N  
Wilding, J.L. .... F  
Wilson, G.E. .... NH  
Wilson, W.R. .... IQ  
Winkenwerder, H. GO  
Worcester, J.L. .... N

## Shelton

Gray, K.R. .... CNK  
Hallonquist, E.G. .... C  
Pickens, R.M. .... C

## Spokane

Armstrong, L.K. .... BEK  
Cooper, J.F. .... F  
Deromedi, F., Jr. .... NFC  
Dill, M.S. C.C. .... NCO  
Gustafson, P.V. .... FG  
Harris, E.B. .... CFH  
Humphrey, R.R. .... GEF  
Keffner, Frederic .... MBC  
Kempff, Gerhard .... F  
Large, Thos. .... FGE  
McMacken, J.G. .... EBD  
Odle, Van A. .... NBC  
Rockie, W.A. .... OEG  
Wallace, Hilford R. M  
Wanser, H.M. .... OEM  
White, W.T. .... OPE  
Wilson, Wm.G. .... BAQ

## Sumner

Courtney, W.D. .... FG  
Doucette, C.F. .... F

## Tacoma

Christie, E.W. .... M  
Clark, W.M. .... CN  
Forbes, Miss E.G. GAO  
Herrmann, S.F. .... N  
Kari, E.H. .... CO  
Martin, A.W. .... AC  
Pettibone, Miss M., FGC  
Porro, T.J. .... NC  
Roberts, E.L. .... D  
Slater, J.R. .... FII  
Terry, B.T. .... N

## Vancouver

Brougher, J.C. .... NFG  
Wooster, Miss R.C. .... CFG

## Walla Walla

Bratton, W.A. .... A  
Brode, H.S. .... FG  
Hunter, W.A. .... IN  
Lane, Merton C. .... F  
Pope, P.H. .... FG  
Reynolds, Miss R.S. Q  
Woodworth, C.E. .... F

## Wenatchee

Lindner, R.C. .... GO  
Sylvester, A.H. .... EO  
Trumble, R.E. .... FG

## Whidbey Island

Pratt, R.Y. .... F

## Yakima

Cardiff, Ira D. .... G  
Harris, L.P. .... COI  
Newcomer, E.J. .... F  
Regan, W.S. .... F

## WEST VIRGINIA

## Athens

McGraw, John, Jr. .... C  
McNeill, E.M. .... G  
Wells, Hawey .... FG

## Belington

Gaston, G.A. .... GN

## Bethany

Cramblet, W.H. .... A  
Dawson, H.D. .... C  
Kirkpatrick, F.H. .... IQ  
Leitch, Andrew .... IQ  
Weimer, B.R. .... F

## Bluefield

Kurtz, H.I. .... NCF

## Bramwell

Yearout, C.B. .... GON

## Buckhannon

Gould, A.B. .... CBF  
Hyma, Nicholas .... C  
Judson, J.E. .... FG  
Schoolcraft, A.A. .... QI

## Charleston

Blackwell, A.C. .... C  
Cox, Miss K.E. .... NF  
Drogin, Isaac .... C  
Harris, C.J. .... QI  
Hyde, K.E. .... GO  
Irwin, G.G. .... F  
Merry, F.K. .... IQ  
Roller, P.E. .... CBA  
Scofield, G.V. .... CBA

## Charleston, Cont'd.

Taylor, A.P. .... FN  
Walker, W.H. .... CB

## Chester

Chandler, Everett .... F

## Elkhorn

Lincoln, J.J. .... M

## Elkins

Talbot, S.Benton .. FN

## Fairmont

Dowden, Miss R. .... FE  
Rogers, H.F. .... C

## Glenville

James, Miss G.C. .... NFC

## Harpers Ferry

Johnson, L.D. .... CNB

## Huntington

Bartlett, J.F. .... C  
Davis, L.M. .... EKO  
Hiller, August .... MK  
Hron, R.P. .... BOC  
Miller, W.B. .... M  
Moore, J.H. .... N  
Patterson, James .... B  
Todd, Leslie J. .... C  
Utterback, W.I. .... F  
VanBibber, F.H. .... IQ

## Institute

Goodlett, C.B. .... IQK

## Kearneysville

Surber, E.W. .... FG

## Keyser

Patterson, R.C. .... FG  
Stewart, Lincoln .... E

## Littleton

Haight, Oscar .... GE

## Morgantown

Ammons, Miss N. .... G  
Bayles, G.H. .... M  
Bergy, G.A. .... NpC  
Brooks, Maurice .... GF  
Cameron, Miss H.C. NC  
Cantelo, R.C. .... CAB  
Cartledge, J.L. .... GF  
Chandler, S.B. .... NF  
Clark, F.E. .... C  
Clulo, Miss G. .... G  
Collett, A.R. .... CB  
Colwell, R.H. .... QCI  
Colwell, R.C. .... B  
Core, E.L. .... G  
Darby, R.H. .... LKG  
Davies, E.C.H. .... C  
Davis, H.A. .... C  
Dodds, G.S. .... FN  
Drake, C.A. .... IKO  
Dustman, R.B. .... COG  
Eiesland, J.A. .... A  
Erickson, H.D. .... CGO  
Ferry, J.F. .... KOG  
Ford, O. Rex .... AB  
Friant, R.J. .... O  
Fridley, H.M. .... E

## Morgantown, Cont'd.

Gribble, L.R. .... F  
Hall, A.A. .... M  
Henderson, H.O. .... ONC  
Hennen, R.V. .... E  
Jacobson, C.A. .... C  
Jones, Lloyd .... QKI  
Leach, J.G. .... GO  
Leonian, L.H. .... G  
Lilly, V.G. .... CG  
MacLachlan, P.L. .... CN  
Molby, F.A. .... B  
Moore, E.N. .... NOF  
Orton, C.R. .... GOF  
Paisons, D.W. .... KOQ  
Peairs, L.M. .... FOG  
Pohlman, J.G. .... GGC  
Reese, A.M. .... F  
Reger, D.H. .... E  
Reynolds, C.N., Jr. .... ADB

Rietz, J.H. .... F  
Schneider, B.H. .... OCN  
Sheldon, J.L. .... G  
Smith, R.B. .... G  
Smith, Wallace .... AD  
Strausbaugh, I.D. .... G  
Taylor, L.H. .... F  
Tucker, R.C. .... EM  
Turner, B.M. .... A  
Weimer, Miss D.E. .... GFE

Wellhausen, E.J. GOF  
Winter, J.E. .... IQ

## Moundsville

McCamie, Charles .... KI

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Bleininger, A.V. ....C	Marquis, J.N. ....NQ	Holden, H.C. ....C	vonDomarus, E. ...NI
Wells, A.A. ....C	<b>St. Albans</b>	Perkins, G.A. ....C	<b>Wheeling</b>
<b>Parkersburg</b>	Beaver, D.J. ....C	Price, Whitfield ....C	Frankston, Miss J.E., F <sup>CN</sup>
Dudley, J.W., Jr. MCA	<b>Shepherdstown</b>	<b>Spencer</b>	Franzheim, C.M. F <sup>EC</sup>
Hopkins, A.D. ...E <sup>OF</sup>	Brettnall, G.H. ....FG	Johnson, G.D. ....N	Gill, Richard ....N <sup>KH</sup>
Knott, A.D. ....N	<b>South Charleston</b>	<b>West Liberty</b>	Holliday, Gail H. ....F <sup>G</sup>
Lytle, W.V. ....I <sup>Q</sup>	Andes, R.V. ....CA	Drummond, E. .. FGC	Marks, David ....N <sup>F</sup>
Spinosa, A.V. ....M	Cox, H.L. ....C	Kiplinger, C.C. ...CBA	<b>Williamstown</b>
<b>Philippi</b>	Doolittle, A.K. ....C	Webb, H.D. ....B	Ingraham, Wm. ...Q <sup>CB</sup>
Grant, Miss B.D. ADG			

## WISCONSIN

<b>Appleton</b>	<b>Fond Du Lac</b>	<b>Madison, Cont'd.</b>	<b>Madison, Cont'd.</b>
Beaver, P.C. ....F <sup>NO</sup>	Hardgrove, T.A. ...Nd	Brouse, Don ....CMO	Jensen, Kai ....I <sup>QF</sup>
Farley, J.H. ....K <sup>LQ</sup>	Johnson, Robert ...MP	Browne, F.L. ....CB	Johann, Miss Helen .G
Gilbert, W. Paul ....B	Sailer, Sister M.W. .G	Bryan, G.S. ....G	Johnson, James...GO
I senberg, I.H. ....C	<b>Fontana</b>	Bunting, C.H. ....N	Jones, F.K. ....G
Rogers, W.E. ....G <sup>FE</sup>	Higgs, C.D. ....D	Cameron, Norman INK	Juday, Chancey ....F
Steele, Westbrook .QC	Rudnick, Paul ....C	Chamberlin, T.R. ..FG	Kanlenberg, Louis ..C
Thiesmeyer, L.R. ....E	<b>Genesee Depot</b>	Chapman, A.B. ....O	Keitt, G.W. ....G <sup>ON</sup>
Van den Akker, J.A. .B	Okuyama, Sobey ....N	Chidester, Mrs. M.S. .G	Koehler, Arthur ....G
Vanflorn, W.M. ....F <sup>N</sup>	<b>Green Bay</b>	Christensen, C.L. ....O	Kowalko, O.L. ....CM
West, C.J. ....C	Delwiche, E.J. ....OG	Clark, P.F. ....N	Kozelka, F.L. ....N <sup>C</sup>
<b>Ashland</b>	Newton, Mrs. D.E., D <sup>FN</sup>	Clark, Wm. Noble .OK	Kremers, Edward ..C
Bobb, Newton ....F	Platten, Will J. .OCM	Claus, Miss Pearl E. .F	Krieger, C.H. ....N <sup>CO</sup>
<b>Baraboo</b>	Senn, George ....N	Coffman, Ramon .LBD	Langer, R.E. ....AB
Cox, Miss E.H. ....Q <sup>CB</sup>	Vogt, Sister C.M. E <sup>HO</sup>	Cole, L.J. ....FO	Lee, J.M. ....C
Rahn, Carl ....I	Ward, H.L. ....F <sup>EH</sup>	Cooper, D.C. ....I <sup>Q</sup>	Leith, C.K. ....E
<b>Bayfield</b>	<b>Green Lake</b>	Corey, S.M. ....G	Link, K.P. ....C <sup>GO</sup>
Scheffel, E.R. ....E <sup>FG</sup>	Kutchin, Mrs. H.L., F <sup>GE</sup>	Corum, Cyril J. ....G	McCaffery, R.S. ....MC
<b>Beaver Dam</b>	<b>Hancock</b>	Daniels, Farrington .C	McCarter, J.R. ....F <sup>N</sup>
Clark, W.G. ....O	Albert, A.R. ....O	Davis, E.M. ....O	McCoy, Miss E. ....O
McClintock, Miss M., F <sup>G</sup>	<b>Hixton</b>	Davis, F.A. ....N	MacDuffee, C.C. ....A
Stewart, Miss C.J. AD	Petzke, E.A. ....N <sup>GH</sup>	Denniston, R.H. ....G	MacElvain, S.M. ....CN
<b>Beloit</b>	<b>Hudson</b>	Dickson, J.G. ....GO	McGovern, J.N. ....CMA
Boutwell, P.W. ....C	Schultz, A.R. ....E <sup>KM</sup>	Domogalla, B. ..CGF	MacLean, J.D. ....MAB
Conwell, H.H. ....ABD	<b>Kenosha</b>	Dudley, J.E., Jr. ....F	Manning, W.M. ....C <sup>GF</sup>
Densmore, H.D. ....G	Windesheim, G. ....N	Duggar, B.M. ....G <sup>CO</sup>	March, H.W. ....A
deWeerd, O.N. ....I	<b>Keweenaw</b>	Elder, J.H. ....I <sup>FN</sup>	Markwardt, L.J. M <sup>OG</sup>
Evans, Gertude ....F	Campbell, C.G. ....CM	Elvehjem, C.A. ....C	Marlatt, Abby L. ....C <sup>K</sup>
Huffer, R.C. ....DAB	<b>Kohler</b>	Emmons, R.C. ....E	Marshall, A.J. ....CO
Nesbitt, Paul H. ....H	Thorkelson, H.J. BCM	Evans, H.P. ....A	Marshall, W.S. ....F
Suydam, V.A. ....AB	<b>La Crosse</b>	Evans, R.I. ....G	Marts, R.O. ....G
Trautmann, W.J. ....C	I lough, Kenneth BMC	Farnsworth, P.R. ....I	Mathews, J.H. ....C
Welty, Carl ....F	Moore, Myrtle H. FGH	Farrar, C.L. ....K <sup>OF</sup>	Maurer, E.R. ....M
<b>Bonduel</b>	<b>Lake Geneva</b>	Fassett, N.C. ....G	Mead, D.W. ....M
Meyer, M.M. ....C <sup>Np</sup>	Wheeler, Theo. ....I <sup>QE</sup>	Fischer, Richard ....C	Meek, W.J. ....N
<b>Cedarburg</b>	<b>Madison</b>	Fisk, Miss E.L. ....G	Meloche, W.W. ....CAB
Ott, G.L. ....F <sup>NO</sup>	Adkins, Homer ....C	Fred, E.B. ....G	Merriman, Curtis .IO
<b>Chippewa Falls</b>	Allen, C.E. ....G	Gee, Lynn ....O <sup>CG</sup>	Meyer, R.K. ....F <sup>NO</sup>
Beier, A.L. ....N <sup>IH</sup>	Anderson, T.F. ...C <sup>BF</sup>	Geist, F.D. ....N	Michell, W.D. ....E
<b>Combined Locks</b>	Baldwin, I.L. ....G <sup>N</sup>	Gerry, Eloise ....G	Middleton, W.S. ....N
Wells, S.D. ....COM	Ball, Edwin ....G	Gilbert, E.M. ....G	Muller, E.R. ....B
<b>Cudahy</b>	Barr, Arvil S. ....O	Gillin, J.L. ....K <sup>H</sup>	Mitchell, R.L. ....C <sup>OG</sup>
Surak, John G. ....CBA	Bast, T.H. ....N	Graber, L.F. ....OG	Moore, J.G. ....OG
<b>Eau Claire</b>	Bean, E.F. ....E	Guyer, M.F. ....F	Mossman, H.W. ....F <sup>N</sup>
Midelfart, P.A.H. NH	Bennett, Edward M <sup>QB</sup>	Halpin, James G. ....O	Muckenhirn, R.J. O <sup>CG</sup>
Reynolds, G.S. ....N <sup>BF</sup>	Birge, Edward A. ....F	Hall, N.F. ....CB	Neal, N.P. ....O <sup>FG</sup>
Thoringate, J.H. ....BC	Bohstedt, Gustav .OF	Harlow, H.F. ....I	Nelson, D.H. ....N
<b>Ellison Bay</b>	Bradley, H.C. ....C <sup>N</sup>	Harris, J.W. ....N	Noland, Lowell ....F
Jensen, Jens ....GO	Breit, Gregory ....A	Hart, E.B. ....C	Owen, Ray D. ....F <sup>GO</sup>
<b>Fish Creek</b>	Brink, R.A. ....GO	Hastings, E.G. ....G <sup>NO</sup>	Parsons, Miss H.T. CN
Stock, Kurt ....M	Brogden, W.J. ....I <sup>NK</sup>	Heffner, Roe-M.S. LIH	Peterson, W.H. ....C
		Heizer, E.E. ....O <sup>FN</sup>	Pillow, M.Y. ....G
		Hellebrandt, F.A. ....N	Pohle, E.A. ....N
		Henmon, V.A.C. HIQ	Price, W.V. ....O <sup>C</sup>
		Herrick, C.A. ....F <sup>N</sup>	Richards, Miss C.A. .G
		Hirschfelder, J.O., Jr. B <sup>CA</sup>	Richtmann, W.O. ....C <sup>G</sup>
		Holford, F.E. ....N	Rieman, G.H. ....GO
		Holmes, C.E. ....FO	Riker, A.J. ....GO
		Horton, Miss E.S. G <sup>QF</sup>	Riker, Mrs. A.J. ....G
		Hovells, W.W. ....H	Roberts, R.H. ....O
		Husband, R.W. ....I	Roebuck, J.R. ....E <sup>C</sup>
		Ingersoll, L.R. ....B	Rosendahl, Russell GO
		Ingraham, M.H. ....A	Rothney, J.W.M. Q <sup>IK</sup>
		Irwin, M.R. ....F <sup>G</sup>	Rumbold, Miss C. ....G
		Jansky, C.M. ....M	Rusch, H.P. ....N <sup>CD</sup>
			Sammis, J.L. ....CO

**Madison, Cont'd.**

Sarles, W.B. .... NO  
 Sawyer, C.N. .... CMP  
 Schmidt, E.R. .... N  
 Schubring, E.J.B. EKP  
 Schubring, S.L. .... E  
 Schuette, H.A. .... C  
 Seastone, C.V., Jr. .... N  
 Seavers, M.H. .... NpFC  
 Sevringhaus, E.L. .... NC  
 Shrigley, E.W. .... FNG  
 Slichter, C.S. .... AB  
 Smith, W.K. .... G  
 Sperry, T.M. .... GF  
 Stauffer, J.F. Jr. .... GCO  
 Stebbins, Joel .... DB  
 Steenbock, Harry FCO  
 Stern, R.M. .... OC  
 Sullivan, W.E. .... FHN  
 Supernaw, J.S. .... ND  
 Tatum, A.L. .... CNp  
 Thwaites, F.T. .... E  
 Tringham, W.E. .... CG  
 Truog, Emil .... COG  
 Turneure, F.E. .... M  
 Twenhofel, W.H. .... EO  
 Van Vleck, E.B. .... A  
 Wachtel, Louis .... CBA  
 Wagner, George .... F  
 Walker, J.C. .... GO  
 Waters, R.M. .... NF  
 Whitson, A.R. .... EO  
 Wilson, H.F. .... F  
 Winchell, A.N. .... E  
 Witzemann, E.J. .... C  
 Zuill, Frances .... NK

**Marinette**

Walker, W.O. .... C

**Menomonie**

Rogers, Miss M.C. CQK

**Milwaukee**

Agthe, F.T. .... M  
 Anderson, Miss E.E. .... BCD  
 Armfield, L. .... DBM  
 Artus, Miss M. .... GF  
 Badalik, Miss E.A. .... G  
 Baier, J.G., Jr. .... FN  
 Baker, F.E. .... N  
 Ball, J.D. .... MBD  
 Banzhaf, H.L. .... NdQ  
 Barrett, S.A. .... HD  
 Beckman, Harry NpFL  
 Beckwith, E.R. .... AKD  
 Bock, J.C. .... N  
 Carey, E.J. .... NHQ  
 Carroll, F.E. .... F  
 Carson, W.J. .... N  
 Caswell, Annet. .... CO  
 Churchill, B.P. .... HN  
 Clapp, Miss G.L. .... GN  
 Coleman, W.W. .... MP  
 Colingsworth, D.R. .... CGN

**Milwaukee, Cont'd.**

Costello, Sister M.S. .... HGF  
 DeYoung, Wm. .... OE  
 Deysach, L.J. .... N  
 Dupont, F.M. .... CGB  
 Edwards, Ira .... E  
 Eisele, H.F. .... FG  
 Erdman, L.W. .... OGN  
 Ferris, Walter .... BOM  
 Fitzpatrick, E.A. .... QKI  
 Friauf, J.B. .... B  
 Greacen, K.F. .... EFH  
 Grill, John .... CFN  
 Haase, H.F. .... MCK  
 Hanawalt, E.M. .... IQF  
 Hansmann, G.H. .... N  
 Hayes, M.L. .... FGN  
 Haymaker, C.R. .... CB  
 Heun, A.L. .... G  
 Honey, Edwin E. .... G  
 Hunkel, V.H. .... OGF  
 Huntzicker, V.E. .... E  
 Jaeger, C.O. .... ECB  
 Jefferson, R.A. .... NIK  
 Joseph, Miss M. .... AQI  
 Kelley, W.A. .... MAD  
 Lees, Miss K.E. .... NCQ  
 LeFeber, Lester .... N  
 Lieberman, Benj. .... N  
 Littleford, R.A. .... F  
 Losey, J.E. .... KO  
 McCarthy, R.C. .... I  
 McDonough, E.S. .... GF  
 MacKenzie, F.B. .... CO  
 McMinn, Miss A. .... NQ  
 Malone, J.Y. .... NCB  
 Marden, Morris .... A  
 Martin, M.J. .... B  
 Matthias, L.H. .... DBM  
 Meiter, E.G. .... C  
 Michaelis, A.F. .... F  
 Mira, Sister M. .... GFL  
 Neidhoefer, James .... F  
 Nelson, E.R., Jr. .... EFO  
 Patterson, Sister M.T. .... N  
 Perry, Miss M.C. .... CN  
 Peterson, L.E. .... MAB  
 Pettit, H.P. .... A  
 Pinney, Miss M.E. .... F  
 Reith, A.F. .... N  
 Rich, G.J. .... IN  
 Richards, Miss R. .... GNF  
 Rohde, H.W. .... C  
 Rutschhaupt, L.F. .... N  
 Severy, H.A. .... IFG  
 Shakman, J.G. .... N  
 Simon, Arthur .... M  
 Skinner, C.H. .... B  
 Sonnenberg, J., Jr. .... CNp  
 Squier, T.L. .... NF  
 Steffy, Miss J. .... GOF  
 Steil, W.N. .... G  
 Stoddard, C.H., Jr. .... OK  
 Suhm, C.F. .... CBM  
 Swindle, P.F. .... NF  
 Teyen, G.M.W. .... Q

**Milwaukee, Cont'd.**

Thies, Miss L.C. .... QIK  
 Throne, A.L. .... G  
 Tufts, Millard .... N  
 Volk, J.J. .... F  
 Wales, H.B. .... FG  
 Walker, Ruth .... G  
 Weiner, Samuel .... CNK  
 Wenstrand, D.E.W. .... N  
 Wilde, Fred E. .... NpGC  
 Wilkins, W.L. .... IQ  
 Willard, Miss E.M. .... CN  
 Wilson, G.W. .... Nd

**Mt. Calvary**

Poeppel, Raphael CFG

**Oconomowoc**

Peebles, Miss G.E. .... DFG

Slemmons, W.S. .... CN

**Oshkosh**

Beenen, May M. .... A  
 Buckstaff, Ralph HFD  
 Duncan, J.F. .... B  
 Frank, J.O. .... C  
 Hilton, George .... KLO

**Platteville**

Beadle, L.D. .... F  
 Ullrich, Fred T. .... GOQ  
 White, J.W. .... BC

**Racine**

Cameron, D.H. .... C

McLaughlin, G.D. .... C

**Rhineland**

Almon, Lois .... GNF

**Ripon**

Conant, Geo. H. .... G  
 Crump, C.C. .... D  
 Dudycha, G.J. .... I  
 Groves, J.F. .... GF  
 Hargrave, J.R. .... L

**River Falls**

Jacobson, J.P. .... B  
 Kettelkamp, B.H. .... FN  
 Stratton, C.G. .... DE

**St. Francis**

Belda, W.H. .... F  
 Steinbach, Sister M.N. .... QGC

**Sheboygan**

Peterson, G.K. .... CO

**Stevens Point**

Collins, J.V. .... A  
 Evans, C.C. .... NFE

**Stevens Point, Cont'd.**

Moe, Carl .... C  
 Rightsell, R.M. .... B  
 Rogers, T.A. .... C

**Superior**

Bolender, E.L. .... FG  
 Miller, P.T. .... E  
 Seguin, Miss H. .... QGf

**Thiensville**

Carbys, J.O. .... EB

**Tomah**

Wood, Roger .... BCD

**Two Rivers**

Kahlenberg, H.H. .... CNM

**Waukesha**

Ray, W.L. .... C  
 Runkel, J.E. .... IQ

**Wausau**

Abrams, Allen .... CM

Hill, R.P. .... M

**Wauwatosa**

Evans, C.T. .... M  
 Flory, A.C. .... MBC  
 Gorcia, H.J. .... C  
 Kasak, Michael .... N  
 Kelly, F.W. .... ONC  
 Newhouse, Ray C. .... M  
 Ziegler, L.H. .... N  
 Zink, F.J. .... MO

**West Allis**

Bond, F.C. .... DBA  
 Warner, C.W. .... MA  
 Willett, Thomas .... N

**West De Pere**

DeCleene, L.A.V. .... ABD

Keefe, A.M. .... GF  
 Pritzl, P.P. .... CNO

**Whitefish Bay**

Miller, C.O. .... CN

**Williams Bay**

Downing, E.R. .... FO  
 Greenstein, Jesse .... DB  
 Morgan, W.W. .... D  
 Struve, Otto .... DBA  
 Titus, John .... B1  
 VanBiesbroeck, G. .... D

**Wisconsin Dells**

Marshall, Ruth .... F

**Wisconsin Rapids**

McMillan, Miss M.B. A

**WYOMING****Casper**

O'Mara, Miss N.E. FGQ

**Cheyenne**

Benedict, H.M. .... G  
 Hildreth, A.C. .... GO  
 Powers, LeRoy .... O

**Jackson**

Murie, O.J. .... FG

**Lamont**

Bellamy, B.C. .... ABC

**Laramie**

Beath, O.A. .... CGE  
 Bruce, R.H. .... I  
 Clarke, L. Floyd .... FN  
 Coulter, V.C. .... LHE  
 Dunnewald, T.J. .... OE  
 Hammond, P.F. .... B  
 Hill, J.A. .... FOQ  
 Holst, E.C. .... N

**Laramie, Cont'd.**

Hurwitz, Garvin .... EM  
 Knight, S.H. .... E  
 McCreary, O.C. .... C  
 Miller, P.T. .... C  
 Nace, R.L. .... EF  
 Nelson, Aven .... G  
 Northern, H.T. .... G  
 Porter, C.L. .... GOE  
 Richard, O.H. .... AQD  
 Scott, J.W. .... F  
 Solheim, W.G. .... GF

**Laramie, Cont'd.**

Trueblood, R.O. .... MBC  
 Woodrow, A.W. .... FGO

**Riverton**

Comstock, H.D. .... M

**Rock Springs**

Nightingale, W.T. EM

**Yellowstone Park**

Bauer, C. Max .... E  
 Howard, C.L. .... BKC

## AMERICAN SAMOA

Pago Pago  
McMullin, D.J. ....C

## PHILIPPINE ISLANDS

**Agricultural College**  
Banzon, Julian .CPO  
Cendana, S.M. ....FG  
Galvez, N.L. ....OC  
Gonzalez, B.M. ....O  
Manresa, Miguel .OFN  
Santos, F.O. ....NC  
Uichanco, L.B. ....F  
Villanueva, L.J. ....CO  
Villegas, V.E. ....O

**Baguio**  
Rodolfo, Agustin FOH  
Schafer, P.A. ....E

**Cavite**  
Myers, R.G. ....CKL

**Culion**  
Wade, H.W. ....N

**Imus**  
Tirona, Mariano .CEB

**Jaro**  
Campos, J.D. ....G

**Jolo**  
Machlan, P.L. ... CEF

**Manila**  
Abello, T.P. ....B  
Aldecoa, E.R. ... NdI  
Almajose, C. ....MAB  
Arguelles, A.S. ....C  
Bellis, Henry ....CNL  
Bissinger, G.H. ....OE  
Butler, J.H.M. ....Q  
Carreon, M.L. ....QIK  
Cayco, Florentino ....C  
Cruz, Cornelio C. ... E  
de Jesus, P.I. ....NC  
de Leon, Antonio I. ...C  
de los Santos, J.V. NFC  
Favila, R.A. ....A  
Fischer, A.F. ....OM

**Manila, Cont'd.**  
Frasche, D.F. ....E  
Gan, T.M. ....NQ  
Gochangco, E.G. ...BM  
Imperial, F.F. ....MP  
Jaramillo, T.J. ....A  
Juliano, J.B. ....GOE  
Kleinpell, R.M. ... EHF  
Marsden, R.W. ... EM  
Otanes, F.Q. ....FOK  
Paguirigan, D.B. GKO  
Panlasigui, I. ....IQK  
Pastrana-Castrencia,  
Maria D. ....G  
Perez, A.G. ....M  
Repetti, W.C. ....E  
Santos, F.V. ....F  
Santos, Jose Vera . GH  
Sison, A.B.M. ....NL  
Soliven, F.A. ....CO  
Swinton, R.S. ... MBA  
Tangco, Marcelo HNF  
West, A.P. ....C

**Manila, Cont'd.**  
Williamson, Earl .ME  
Yutuc, Lope M. ....F

**Negros Occidental**  
Gordon, Alex. ....MO  
Panganiban, E.H. CO

**Negros Oriental**  
Chapman, J.W. ... F

**Paranaque**  
Brussolo, Vito A. ....M

**Paracale**  
Gardner, D.L. ....E

**San Juan**  
Salvosa, Luis R. ...AK

## VIRGIN ISLANDS

Saint Thomas  
Lillienfeld, J.E. ....B

## AFRICA

## ALGERIA

**Algiers**  
Benoit, Jacques ....FG  
Maire, Rene ....G

## ANGOLA

**Loanda**  
Roschen, E.C.H. ....E

## ASHANTI

**Accra**  
Rigney, H.W. ....EIH

## BELGIAN CONGO

**District de L'Uele**  
Steyaert, R.L. ....GO

## EGYPT

**Alexandria**  
Kirmiz, J.P. ....NFI

**Assiut**  
Hickman, W.W. ...CG

**Cairo**  
Vandersall, H.W. BAD

**Giza**  
El-Sawy, Abbas H. NO

**Le Caire**  
Rosenfeld, A.H. FG

## UGANDA

**Entebbe**  
Hughes, T.P. ....NC  
Jacobs, H.R. ....N

## SOUTH AFRICA

**Bloemfontein**  
Lutjeharms, W.J. GOC  
Paraskevopoulos, J.S. D  
Rossiter, R.A. ....D

**Cayuga**  
Hofmeyr, S.J.G. .QOI

**Johannesburg**  
Alden, H.L. ....DBA  
Dart, R.A. ....HFN  
Hay, Erroll ....EIK

**Onderstepoort**  
Monnig, H.O. ....FNO

**Postmasburg**  
Shone, T.L.H. ....EM

**Nelspruit**  
Hofmeyr, J.D.J. ....O

**Pretoria**  
Lounsbury, C.P. ....F  
Mes, M.G. ....GO

## ASIA AND MALAYSIA

## CEYLON

**Peradeniya**  
Hutson, J.C. ....F

## CHINA

**Canton**  
Groff, G.W. ....GOQ  
Laird, C.N. ....C  
McClure, F.A. ....FG

**Chengtu**  
Agnew, R.G. ....Nd  
Kilborn, L.G. ....NpF  
Liljestrand, S.H. NIIL

**Chengtu, Cont'd.**  
Lindsay, A.W. NdQH  
Reeves, Miss C.D. FGI  
Williams, T.H. ....N

**Foochow**  
Wu, Miss Violet .BAC

**Kunming**  
Thomson, J.C. ...CQN

**Lincheng**  
Kwang, K.Y. ....M

**Nanking**  
Lew, G.T. ....OFG

**Peiping**  
Adolph, W.H. ....CN  
Boring, A.M. ....F  
Davis, W.W. ....E  
Frazier, C.N. ....NL  
Grabau, A.W. ....EF  
Kramer, Miss M. ....N  
Loucks, H.H. ....N  
Weidenreich, Franz H  
Wilson, S.D. ....C  
Wu, Hsien ....CN

**Shanghai**  
Balfour, M.C. ....NFM  
Chan, F.Lai-ngi. .CM  
Chen, C.C. ....FN  
Dent, R.V. ....N

**Shanghai, Cont'd.**  
Ely, J.A. ....M  
Hou, H.C. ....N  
Huizenga, Lee S. .NE  
Lee, J.Y. ....BMC  
Read, B.E. ....CN  
Yang, P.S. ....C

**Tientsin**  
Serduke, J.T. ....BM

**Wanh sien**  
Wang, Chung Yu MEC

**Yaan**  
Crook, Rudolph ...NH

**FEDERATED  
MALAY STATES**

Kuala Lumpur  
Newton, E.B. ....CP

**HONGKONG**

Hongkong  
Frank, H.S. ....CB  
Sommers, H.F. ....KNd  
Wong, Cheong-yin, OGC

**INDIA**

Ahmadabad  
Asana, J.J. ....FKQ

Allahabad  
Saha, Meghnad ....B  
Vestal, E.F. ....GO

Almora  
Sen, B. ....GNO

Baroda  
Likhite, V.N. ....FGO

Benares  
Singh, B.N. ....OGE

Bengal  
Macfarlane, E.W.E., GH

Bombay  
Desai, S.F. ....FGH  
Desai, V.M. ....N  
Van Allen, C.M. ....N

Calcutta  
Agharkar, S.P. ...GOE  
Mukerji, S.N. ....MBA  
Roy, T.N. ....FGN

Cuttack  
Parija, P. ....GO

Delhi  
Sweet, W.C. ....NF

Dhamtari  
King, S.M. ....IQ

Gwalior  
Kulkarni, G.S. ....GO

Karachi  
Buie, B.F. ....EQ  
Whipple, G.L. ....EFC

Lahore  
Benade, J.M. ....BMQ  
Manry, J.C. ....QIK

Madras  
Hartman, Miss E. ....G  
Iyengar, M.O.P. ....G  
Russell, P.F. ....NF

Mangalagiri  
Mohan, A.R. ....MPK

Nagercoil  
Keshaven, V.K. ....M

North Arcot  
Dodd, Miss Gertrude ..

Patna  
Ray, R.C. ....BCQ

Rangoon  
Gates, G.E. ....F

**IRAQ**

Baghdad  
Allouse, B.E. ....FBK  
Merrick, J.F. ....A  
Simonian, V.H. ....CGNp

**JAPAN**

Asiya-hama  
Yamaguchi, Seitaro .B

Hyogo-ken  
Wakabayashi, S. ..GO

Kawasaki  
Uyei, Nao ....CN

Kurashiki  
Itano, Arao ....O

**Matsuyama**

Hoyt, Miss O.S. ....Q

Osaka  
Yagi, Hidetsugu ..BM

Sapporo  
Itoh, Hidegoro .....F  
Watanabe, Yisamu .F

Tokyo  
Kakinuma, Usaku ....B  
Matsubara, Koichi .C  
Miyake, Kiichi ....G  
Nakahara, Waro ....N  
Nishina, Y. ....B  
Terao, Arata .....F  
Yatsu, Naohide .....F

Yokohama  
Burrell, R.W. ....FO  
Holtom, D.C. ...LHK

**JAVA**

Ban Doeng  
Brederode, O. ....ID

**KOREA**

Seoul  
Brien, D.H. ....MCE  
Lee, D.W. ....AD

**LEBANON**

Beirut  
Avery, B.F. ....N  
Bacon, A.A. ....B  
Bijani, G.Y. ....FGO  
Brown, J.A. ....DB  
Close, H.W. ....C  
Dennis, E.W. ....NF  
Dodd, S.C. ....KI  
Farris, B.A. ....KA  
Hampel, C.W. ....NF  
Jurdak, M.H. ....ADB  
Kerr, S.E. ....NC  
Miller, G.H. ....N  
Pauly, R.J. ....NCQ  
Pinkston, J.O. ...Npf

**PALESTINE**

Haifa  
Etke, P.W. ....MO  
Jerusalem  
Kligler, I.J. ....FN  
Tel Aviv  
Freudenthal, A. .MBK  
Preisner, T.H. ....AK

**PERSIAN GULF**

Bahrain Island  
Bramkamp, R.A. ....E

**SIAM**

Bangkok  
Komkiss, L.M.T. ....O  
Pendleton, R.L. ....OGC

**STRAITS  
SETTLEMENT**

Singapore  
Corner, E.J.H. ....G  
Moreno, A., Jr. ...MBN  
Tulloch, M.M. ....MBA

**SUMATRA**

Dolok Merangir  
Bangham, W.N. ....FGO  
Pajacombe  
Pardee, Miss R.E. ...II  
Palembang  
Wiebenga, W.A. .EIK  
Weisbord, N.E. ....E

**TURKEY**

Istanbul  
Burns, E.I. ....RO  
Crawford, J.F. ....OG  
Wright, Miss E.K. ...C

**AUSTRALASIA****AUSTRALIA**

Captains Flat  
Mann, V.I. ....MEC

Footscray  
Saenger, G.W. ....CM

Melbourne  
Burnett, J.B. ....E  
Muhl, Anita M. ...NTH

Perth  
Teakle, L.J.H. ....GO

Mount Isa  
Blanchard, R. ....MEC

Beerwah  
Jones, Inigo ....D

Sydney  
Parkhurst, R.W. ....M  
Waterhouse, W.L. , GFO

**GUINEA**

Babo  
Kinser, J.H. ....EB

Rabaul  
Murray, G.H. ....FGO

Wau  
Gregory, C.E. ....M

**NEW ZEALAND**

Gisborne  
Weymouth, Allen ..EF

**SOCIETY  
ISLANDS**

Tahiti  
Smith, H.W. ....GO

**TASMANIA**

Launceston  
Mackay, A.D. ...CEM

## CANADA

## ALBERTA

**Banff**  
Warren, Mrs. M. S. .EF  
**Calgary**  
Cabot, C. M. . . . . N  
Link, T. A. . . . . E  
Robertson, H. T. . . . GO  
Ward, A. S. . . . . OC

**Eckville**

Henly-Lewis, J. . . . QOF  
**Edmonton**

Campbell, J. W. . . . ABD  
Downs, A. W. . . . NpIC  
Fryer, J. R. . . . . GO  
Gilchrist, H. A. . . . NpQB  
Henry, A. W. . . . . GO  
Hunter, George . . . . NCK  
Lang, R. J. . . . . BAD  
Moss, E. H. . . . . G  
Newland, H. C. . . . . Q  
Rawlinson, H. E. . . . NFH  
Sackville, J. P. . . . . O  
Shaner, R. F. . . . . NF  
Shipley, J. W. . . . . C  
Shoemaker, J. S. . . . . G

**Lethbridge**

Seamans, H. L. . . . . F

**South Edmonton**

Revell, D. G. . . . . NRQ

BRITISH  
COLUMBIA**Bend**

Garcha, H. S. . . . . GOQ

**Hope**

Thacker, T. L. . . . . FH

**Kamloops**

Buckell, E. R. . . . . F  
Mail, Mrs. C. D. . . . EF  
Mail, G. A. . . . . F  
Sterrett, D. B. . . . . E

**Nanaimo**

Clemens, W. A. . . . . F  
Hart, J. L. . . . . FEG

**New Westminster**

Atkinson, C. E. . . . . FG  
Kask, J. L. . . . . FAC  
Schaefer, M. B. . . . . AFG

**Saanichton**

Jones, Walter . . . . . GOF

**Sheep Creek**

Sukava, Lahja . . . . MPA

**Summerland**

McLarty, H. R. . . . . GO

**Trail**

Gilbert, Geoffrey . . . . E  
Shaw, G. T. . . . . CMO

**Vancouver**

Allardyce, John . . . . NCG  
Barss, Alden F. . . . . GO  
Davis, N. F. G. . . . . E  
Dolmage, Victor . . . . EKM  
Dorchester, F. E. . . . IQN

**Vancouver, Cont'd.**

Fraser, C. McLean . . . F  
Harris, J. Allen . . . . CP  
Hutchinson, A. H. . . . G  
Kals, W. S. . . . . ABC  
Kania, J. E. . . . . EMN  
Klinck, L. S. . . . . QOM  
MacLeod, H. J. . . . . M  
Moe, G. G. . . . . G  
Nowlan, F. S. . . . . A  
Phillips, A. H. . . . . OGF  
Seyer, William . . . . . CB  
Shrum, G. M. . . . . B  
Stewart, R. H. . . . . EM  
Taylor, Austin . . . . . M  
Ure, William . . . . . CBD  
Watney, Mrs. G. M. . . . FN  
Williams, M. Y. . . . . E  
Wood, C. B. . . . . Q

**Vernon**

Hopping, Ralph . . . . F

**Victoria**

Allen, G. S. . . . . GOC  
Andrews, G. S. . . . . MEO  
Harper, W. E. . . . . D  
King, H. B. . . . . Q  
Marshall, J. T. . . . . N  
Moody, Kenneth . . . . MEB  
Petrie, R. M. . . . . DBA  
Plaskett, J. S. . . . . D

## MANITOBA

**Brandon**

Bird, Ralph D. . . . . FGE  
Burneski, A. D. . . . . ABM  
Neglin, T. A. . . . . QI  
Peirce, Sidney J. S. . . . N

**Morden**

Leslie, W. R. . . . . O

**Winnipeg**

Buller, A. H. R. . . . . G  
Claigie, J. I. L. . . . . GO  
Dudley, M. G. . . . . GFN  
Goulden, C. H. . . . . GO  
Hood, Miss G. G. . . . . Q  
Ketcheson, E. T. . . . . O  
Langstroth, G. O. . . . . B  
Lowe, C. W. . . . . GOF  
Meredith, William . . . . OC  
Nenthy, K. W. . . . . OG  
Olson, P. J. . . . . OG  
Savage, Alfred . . . . . FNO  
Thompson, I. M. . . . . NFH  
Warren, L. A. H. . . . . AKD  
Weber, Erich . . . . . MPC  
Wheeler, Digby . . . . . N  
Wilson, N. R. . . . . AB  
Wright, J. F. . . . . E

NEW  
BRUNSWICK**Chatham**

Murdock, Louis . . . . FBE

**Edmonton**

Birchard, Walter . . . . C

**Fredericton**

MacLeod, D. J. . . . . G  
West, A. S., Jr. . . . . FCG

**Sackville**

Krug, Charles . . . . . HIK

**Saint Andrews**

Hachey, H. B. . . . . B  
Leim, A. H. . . . . F  
Smith, M. W. . . . . FG

**Saint John**

Petrie, E. A. . . . . N

## NOVA SCOTIA

**Annapolis Royal**

Fickes, E. S. . . . . M  
Gilliatt, F. C. . . . . FO

**Antigonish**

Nicholson, P. J. . . . . B

**Digby**

Ganong, W. K. . . . .

**Halifax**

Bagnall, J. S. . . . . NpQ  
Bean, Mrs. R. J. . . . . F  
Bronson, H. L. . . . . B  
Johnstone, J. H. L. . . . B  
King, H. S. . . . . C  
Mainland, D. . . . . NFH  
Young, E. G. . . . . CN

**Kentville**

Harrison, K. A. . . . . GO  
Hockey, J. F. . . . . GOF

**New Glasgow**

Cantley, Thomas . . . . MLP

**Truro**

Harlow, L. C. . . . . CO  
Neary, M. E. . . . . FGO

**Wolfville**

Bancroft, M. F. . . . . E  
Grant, Miss M. E. . . . . QI  
Perry, H. G. . . . . FG  
Roscoe, M. V. . . . . G

## ONTARIO

**Arnprior**

Macnamara, C. . . . . FG

**Belleville**

Graham, A. R. . . . . FG  
Wilkes, Alfred . . . . . FOA

**Brantford**

Hutton, William . . . . FNH

**Burlington**

Redman, L. V. . . . . C

**Chippewa**

O'Leary, W. J. . . . . CEB

**Cobourg**

Fitzhugh, Mrs. H. . . . HFI

**Collingwood**

Runnalls, N. D. . . . . EBO

**Copper Cliff**

Rose, E. H. . . . . CMN  
Young, R. S. . . . . CGM

**Cornwall**

Coke, C. Eugene . . . . C

**Fort William**

Dewar, R. Keir . . . . NBG

**Gananoque**

Gilbert, William . . . . M

**Guelph**

Baker, A. W. . . . . F  
Fulmer, H. L. . . . . CNO  
Reaman, G. E. . . . . IQ  
Shutt, D. B. . . . . NO

**Hamilton**

Bauer, Miss B. T. . . . .  
Bauer, J. A. . . . . NEH  
Bowers, Miss N. K. . . . I  
Cummings, L. D. . . . . A  
Dawes, H. F. . . . . B  
Hilton, H. G. . . . . M  
McNairn, W. H. . . . . E  
Warren, A. E. . . . . NF

**Harrow**

vanSteenburgh, W. E. . . F

**Hawkesbury**

Hampton, H. C. . . . . CGB

**Ilderton**

Zavitz, C. A. . . . . OGI

**Kingston**

Arkley, L. M. . . . . MAB  
Boyd, E. M. . . . . NpD  
Earl, R. O. . . . . G  
Ettinger, G. H. . . . . N  
Kropp, Benj. . . . . FN  
Katz, Leon . . . . . B  
Miller, Norman . . . . . A  
Paul, Eric B. . . . . BA  
Sinclair, R. G. . . . . N  
Smith, R. W. . . . . FH  
Stanley, John . . . . . FA  
Wyllie, John . . . . . N

**Lakefield**

Douglas, G. M. . . . . EM

**Lochalsh**

Frohberg, M. H. . . . . EH

**London**

Allen, Ray . . . . . BAC  
Battle, Helen . . . . . FGH  
Brown, W. J. . . . . KEO  
Dearness, John . . . . . GQL  
Detwiler, J. D. . . . . F  
Foster, Miss A. W. . . . . B  
Hart, N. C. . . . . GOC  
Hitchcock, H. B. . . . . F  
Macklin, C. C. . . . . NFH  
Macklin, M. T. . . . . NF  
Robertson, A. D. . . . . FGE  
Roome, N. W. . . . . Np  
Walker, A. R. . . . . G

**Manitowlin Island**

O'Flaherty, J. E. . . . . LH

**Napanee**

Metzler, John . . . . . BM

**Ottawa**

Anderson, R. M. . . . . F  
Archibald, E. S. . . . . OGM  
Atwell, E. A. . . . . GO  
Ault, O. E. . . . . O  
Barton, Horace . . . . . O  
Boyle, R. W. . . . . BMP  
Brady, G. V. . . . . AK

## Ottawa, Cont'd.

Brown, W.J. .... FG  
Burnette, N.L. .... KI  
Camsell, Charles .... E  
Coats, R.H. .... K  
Crawford, H.G.M. .... FG  
Davis, M.B. .... O  
Deakin, Alan .... FO  
DeLury, R.E. .... D  
Fritz, C.W. .... G  
Gibson, Arthur .... O  
Groh, Herbert .... GO  
Gussow, H.T. .... G  
Hammond, G.H. .... O  
Hardy, F.A. .... O  
Harris, N. MacL. .... N  
Heagerty, J.J. .... N  
Henderson, J.P. .... BDM  
Hodgson, E.A. .... BEM  
Hooper, George .... N  
Jenness, Diamond .... H  
Johnson, L.P.V. .... GOD  
Kindle, E.M. .... EF  
Lathe, F.E. .... CMO  
Linklater, T. .... MAB  
Lochhead, A.G. .... OG  
Low, A.P. .... E  
McDiarmid, R.J. .... BD  
McDougall, A.H. .... AQ  
McLaine, L.S. .... F  
Nesbitt, Herbert .... FNH  
Newman, L.H. .... OG  
Newton, R. .... OCG  
Nichols, David .... E  
Plunkett, J.E. .... N  
Rankin, A.C. .... N  
Robinson, C.H. .... CO  
Senn, H.A. .... GOF  
Smith, C.C. .... DAM  
Stewart, R.M. .... DAB  
Swaine, J.M. .... O  
Tory, H.M. .... BOA  
Trueman, H.L. .... OKI  
Whalley, Miss M.E. .... C  
Wilson, M.E. .... E

## Peterborough

Waite, C.B. .... NCH

## Port Arthur

Johnson, Mrs. M.W. .... IO  
Watt, H.J. .... NOH

## Port Hope

Friend, F.B. .... B

## Richmond Hill

Chant, C.A. .... DBA  
Hogg, H.S. .... D

## St. Catharines

Cornwall, W.D. .... NHD  
Hildebrand, A.A. .... G

## Simcoe

Jackson, A.B. .... NIG

## Sioux Lookout

Connell, A.B. .... GE

## Timmins

Jenney, C.P. .... E  
Williams, M.E. .... M

## Toronto

Aikins, H.A. .... IQH  
Amoss, H.E. .... O  
Anderson, H.B. .... GN  
Atkinson, W.F.V. .... MEI  
Bailey, D.L. .... GO  
Baillie, W.H.T. .... FNH  
Benson, C.C. .... CN  
Bernhardt, K.S. .... IO  
Boswell, M.C. .... C  
Brodie, Miss J. .... CNO

## Toronto, Cont'd.

Buchanan, R.R. .... I  
Burwash, E.M. .... EH  
Chidester, F.E. .... F  
Collins, J.R. .... DBK  
Corman, H.E. .... COM  
Coventry, A.F. .... FG  
Craigie, E.H. .... FHN  
Crawford, M.F. .... B  
DeLury, D.B. .... AK  
Dymond, J.R. .... F  
Ebbutt, Frank .... EMH  
Farrar, C.B. .... IN  
Ferrier, W.F. .... EM  
Fisher, K.C. .... FN  
FitzGerald, J.G. .... N  
Ford, N.H.C. .... F  
Gilchrist, Lachlan .... B  
Graham, Duncan .... N  
Gysler, P. .... N  
Hamly, D.H. .... GBC  
Harkness, W.J.K. .... F  
Holcomb, Robert .... CO  
Holman, W.L. .... N  
Howe, C.D. .... G  
Huntsman, A.G. .... FGN  
Ide, F.P. .... F  
Jackson, H.S. .... G  
Johnston, R.A.A. .... E  
Langford, G.B. .... EMO  
Lindsay, Thayer .... M  
Linell, E.A. .... N  
Ling, G.H. .... AD  
Logier, Shelley .... F  
Long, J.A. .... IO  
Lundberg, Hans .... EB  
MacArthur, J.W. .... FGN  
McGhie, B.T. .... NI  
MacLulich, D.A. .... FN  
Miller, W.L. .... C  
Moore, E.S. .... E  
Pardoe, Avern .... BCD  
Robinson, Wm. .... NBD  
Rogers, J.C. .... EMG  
Sandiford, Peter .... IQ  
Sifton, H.B. .... G  
Simpson, Jean .... C  
Smith, George .... FGN  
Starkman, M.A. .... CNpG  
Thomson, R.B. .... GO  
Tisdall, F.F. .... NC  
Troyer, F.L. .... DOB  
Tyrrell, J.B. .... EM  
Walker, E.M. .... F  
Wanless, John .... FGH  
Waring, T.D. .... ABM  
Wasteneys, H. .... C  
Watson, W.V. .... NCB  
Watt, J.C. .... NF  
Wilkes, Alfred .... FOA  
Willard, Miss A.C. .... NC  
Woodward, H.E. .... CN  
Wright, G.F. .... CBN  
Wright, J.G. .... G

## Vineland Station

Palmer, E.F. .... OG

PRINCE  
EDWARD  
ISLAND

## Ellerslie

Medcof, J.C. .... FGE  
Needler, A.W.H. .... FGO

## QUEBEC

## Arvida

Fraser, William .... BAM

## Asbestos

Taber, E.R. .... M

## Charlesbourg

Bernard, Richard .... CF

## Grand River

LaBrie, J.A. .... CMP

## Hull

Konst, Hermann .... NO

## Kamouraska

Proulx, Maurice .... O

## Knowlton

Wilson, Ellwood .... OMI

## Kynquod

Neave, S.L. .... C

## La Trappe

Lalonde, L.M. .... GFO

## Lennoxville

Kuehner, A.L. .... C

## Mille Isles

Willey, Arthur .... F

## Montreal

Adams, F.D. .... E

Alexander, Bro. Major, .... GFN

Ballon, H.C. .... N

Barnes, H.T. .... B

Berrill, N.J. .... F

Bois, J.S.A. .... I

Bolduc, Antonio .... CN

Bourne, Wesley .... N

Brace, J.H. .... M

Bridges, J.W. .... IO

Brownie, J.S.L. .... N

Clark, T.H. .... E

Collip, J.B. .... N

Cook, Stanley .... NC

Cushing, H.B. .... NGQ

Daniels, E.A. .... N

Dubau, Eudore .... Ndo

Elvidge, A.R. .... NIF

Erickson, T.C. .... N

Frappier, Armand .... N

Fraser, J.R. .... N

Froman, D.K. .... B

Gendreau, J.E. .... B

Gibbs, R.D. .... GC

Gill, J.E. .... EMQ

Gruener, O.C. .... N

Harder, E.C. .... E

Hibbert, Harold .... C

Jasper, H.H. .... NFI

Jenkins, F.T. .... EMF

Job, Robert .... CEK

Kellogg, C.E. .... IO

Kershman, John .... NKI

Keys, D.A. .... B

Koroleff, A.M. .... GMO

Lefevre, H.E. .... POE

Littler, H.G. .... CKB

Lomer, G.R. .... L

Lundon, A.E. .... EON

McCarthy, J.L. .... CBM

MacLean, A.R.M. .... CN

Marie-Victorin .... G

Martin, C.P. .... FHN

Monro, H.A.U. .... FO

Murray, E.G.D. .... N

Nichols, W.A. .... MAB

Peirce, C.B. .... N

Penfield, Wilder .... N

Piedalue, E.C.J. .... Q

Pirie, A.H. .... NBD

Prefontaine, G.H. .... F

Raginsky, Bernard .... NI

Ross, S.H. .... E

Scarth, G.W. .... G

Selye, Hans .... NCF

Shaw, A.N. .... BAD

## Montreal, Cont'd.

Stehle, R.L. .... CNp

Tait, W.D. .... I

Taylor, B.W. .... F

Teuscher, Heinrich .... G

Walsh, A.L. .... Nd

Waugh, T.R. .... N

Webster, E.C. .... I

White, W.E. .... MBA

Yorston, Fred .... E

## Quebec

Bedard, Avila .... OG

Cameron, T.W.M. .... FNO

Coulson, J.G. .... GO

DeLong, W.A. .... OC

Dul'orte, E.M. .... FNO

Gagnon, P.E. .... C

Jones, J.W. .... E

Lattimer, J.E. .... K

L'Ecuier, Philibert .... C

Raymond, L.C. .... O

Snell, J.F. .... CO

Summerby, R. .... OG

Tremblay, A. .... ADB

Tremblay, J.L. .... F

Vachon, Alex. .... C

Ste. Anne de Bellevue

Darling, F.S. .... C

Keith, Fraser .... PKM

## Ste-Anne-de-la-Pocatiere

Pelletier, J.R. .... O

## St. Hubert

Neamtan, S.M. .... BA

## Sherbrooke

Haight, II, V. .... M

## Ville La Salle

Hess, D.W. .... C

## Westmount

Frosst, J.B. .... NOI

Levitt, J. .... G

## SASKATCHEWAN

## Muenster

Kuehne, Paul .... GFA

## Regina

Riddell, W.A. .... CN

Rouatt, G.E. .... OI

Vigor, S.I. .... O

## Saskatoon

Arnason, T.J. .... GFH

Baltzan, D.M. .... NK

Biro, Charles .... NCD

Champlin, M.J. .... O

Currie, B.W. .... B

Graham, V.E. .... NCO

Harrington, E.L. .... B

Horne, W.H. .... GO

Kirk, L.E. .... O

Laycock, Sam R. .... OI

Myers, F.R. .... NKI

Patterson, C.F. .... GO

Pyke, A.J. .... AQ

Simmonds, P.M. .... G

Thompson, W.P. .... C

Thorvaldson, T. .... G

Vanterpool, T.C. .... GO

Wait, Elmer .... NCI

Worcester, W.G. .... EMP

## YUKON

## Whitehorse

Moore, H.E. .... FGD

# CENTRAL AMERICA, SOUTH AMERICA AND ATLANTIC OCEAN ISLANDS

## ARGENTINA

Buenos Aires  
Barral-Souto, Jose KA  
Greslebin, Hector HQL  
Novelli, Aimando ...C  
Parodi, L.R. ....GO  
Severson, G.A. ...EMI  
Smolensky, Pietro KA  
Tantui, C.A. ....N

### Cordoba

Pettine, C.D. ....AD  
Zimmer, M.L. ....DE

### La Plata

Aguilar, Felix ....DE  
Dawson, B.H. ....DA

## AZORES ISLANDS

Angra do Heroismo  
Agostinho, J. ....EBF

## BERMUDA

Somerset  
King, C.D. ....IBK

## BOLIVIA

Oruro  
Ferreira, C.O. ....EAK  
Potosi  
Erickson, R.I. ....EMB

## BRAZIL

Campinas  
Mendes, A.J.T. ...GOF

### Porto Alegre

Filho, Pereira .....N

### Rio de Janeiro

Billings, A.W.K. MBC  
Braga, M.A. ...CMNP  
Caussey, O.R. ....FN  
Fox, J.J. ....NKC  
Kerr, J.A. ....NF  
Lima, Costa .....FN  
Shannon, R.C. ....F  
Villola, G.G. ....NC

### Sao Paulo

Bitancourt, A. ....GO  
Townsend, C.H.T.,  
FHG  
Valle, J.R. ....N

### Vicosa

Drummond, O.A. ...GO  
Rols, P.H. ....GO

## BRITISH GUIANA

Georgetown  
Bevier, George .....N

## CANAL ZONE

### Ancon

Clark, H.C. ....N  
Harden, R.D. ....N  
Komp, W.H.W. ...FN  
Tripp, W.A. ....DAF

### Balboa

Mundt, H.W. ....  
Zetek, James ....FGE

### Gatun

Eberman, J.W. ....MA

### Quarry Heights

Cox, W.C. ....N

## CHILE

### Angol

Bullock, D.S. ....OFH

### Calama

Freeman, H.B. ....B

### Santiago

Calvo, J.L.C. ....MK  
Koeberlin, F.R. ...EM  
Munoz, Carlos ...GOF

## COLOMBIA

### Bogota

Chappell, W.M. ....E  
Cortes, J.M. ....ABM  
Guerrero, A.L. ....EMC  
Hoyl, G.R. ....EH  
Oppenheim, V.E. ...EM

### Honda

Crease, H.H. ....MED

### Medellin

Nicholls, F.B. ....ILC

### Santander

Judson, Jack .....E

## COSTA RICA

### San Jose

Brenes-Mesen, R. ...L  
Keith, R.W. ....M  
Llovera, M.D.G. CKM

## CUBA

### Central Delicias

Wood, R.B. ....OGC

### Cristo

Fetscher, Charles CAB  
Jewett, H.F. ....M

### Central Baragua

Scaramuzza, L.C. FGO

### Habana

Acuna, J.B. ....GO  
Buch, M.A.S. ....NPC  
Carr, H.P. ....N

## Habana, Cont'd.

DeZoldo, Carlos, Jr.  
DAB  
Fernandez, A. ...NdCB  
Goorley, J.T. ....NC  
Mira, Richard ...MBA  
Palmer, R.H. ....E  
Porta, C.B. ....CNG  
Rivero, L.H. ...FHE

### Manzanillo

Buchanan, G.R. U. ...M

## DOMINICAN REPUBLIC

### Ciudad Trujillo

Frier, J.O. ....K

## ECUADOR

### Guayaquil

Waring, W.W. ...EBC

### Milagro

Rorer, J.B. ....GO

## FALKLAND ISLANDS

### Stanley

Gibbs, J.G. ....G

## GUATEMALA

### Chimaltenango

Johnston, J.R. ...G

## HAITI

### Port au Prince

Dorsainvil, J.C. ...KLO  
Lherisson, C. ....FNQ

## HONDURAS

### La Lima

Popence, Wilson GOH

### San Juancito

Robinson, H. ....CMB

## JAMAICA

### Kingston

Evans, K.L. ....NC  
Helwig, G.V. ...BQM

## MEXICO

### Avalos

Wedde, F.A. ....MCD

### Cananea

Wakefield, J.T. ...ABC

### Chihuahua

Garza-Aldape, J.M.  
MEP

## Colima

Boschke, Guy ....M

## Comales

King, Max W. ...MEK

## Guanajuato

Wandke, Alfred ...EM

## Juarez

Escobar, Romulo ...O

## Mazatlan

Peale, Rodgers .....E

## Mexico

Baker, E.W. ....F  
Beltran, Enrique FGN  
Camp, Geo D. ....MEB  
Dampf, Alfons ...FGN  
deLander, C.F. ...BC  
delPozo, E.C. ....N  
Gamio, Manuel ....H  
Garcia, J.T. ....BCM  
Hope, Pablo H. ...CON  
Izquierdo, J.J. ...FNG  
Morgenstern, E.M. ...N  
Nyberg, H.E. ....M  
Payne, G.C. ....N  
Polak, Jose ...CNL  
Pruneda, Alfonso NOK  
Roos, Willem ...MBC  
Saunders, T.S. ....F  
Stone, W.E. ....NF  
Vargas, Luis ....NF

## Pachuca

Douglas, C.B.E. ...EBC

## Santa Engracia

Shaw, J.G. ....FGO

## Tacubaya

Lassman, G.W. ....F

## Tepic

Saucedo y Andrade, R.  
N

## Torreón

Ohiendorf, Walter ...F

## PANAMA

### Panama City

Amado, J.J., Jr. ...MAB  
Malowan, S. ....CNB  
Oldach, W.H. ....ABN  
Patterson, G., Jr. CQK

### Puerto Armuelles

Burton, R.C. ....ME

## PARAGUAY

### Asuncion

Durham, H.W. ....M

## PERU

### Arequipa

deRomana, E.P. ...MEK

### Casapolca

Ridge, John .....E

**Cerro de Pasco**  
Jenks, W.F. ....E  
Rust, G.W. ....EM

**Chimbote**  
Erquiaga, Ruben MAB

**Cuzco**  
Mendoza, O.B. ....C  
Vargas C., Cesar ...GF

**Lima**  
Cano, J.E.O. ....KH  
Hertig, Marshall ....F  
Iddings, Arthur ....E  
Monge M., Carlos HNI  
Salazar S., Ricardo NdQ

Tello, J.C. ....NH  
Vogt, William .....F

**Morococha**  
Espenshade, G. ....EH

**Negritos**  
Frizzell, Don L. ....F

**Oroya**  
McDonald, Robert MA  
Schmedeman, O.C. ..E  
Wells, Robert ....CHE

**Trujillo**  
Cheavens, J.H. ...MCE  
Graham, E.E. ....M

## SALVADOR

**San Salvador**  
Cornejo, Alirio ..MAB

**Santa Ana**  
Prieto, A.G. .... MBE

## VENEZUELA

**Caracas**  
Aguierevere, S.E., ECM  
Andrews, Philip EMC  
Anduze, Paul .....N  
Bonazzi, Augusto GCO  
Brossard, E.E. ....EM  
Gomez, E.N. ....C  
Johnson, G.D. ....E  
Langham, D.G. ....G  
Mencher, Ely ....EH  
Muller, A.S. ....GCO  
Pacanins, A. ....ABC  
Rossi, A.L.B. ....N

**Caracas, Cont'd.**  
Scott, J.A. ....FN  
Tejera, Gustavo ....OC  
Texera, D.A. ....GOL  
Tong, J.A. ....E  
Tovar, F.M.D. ....O  
Valencia, H. ....PCM

**El Valle**  
Ballou, C.H. ....FGO

**Maracaibo**  
Douglas, J.G. ....EFH  
Johnson, F.W. ....F  
Manger, G.E. ....E  
Reynolds, R.W. MBP  
Walker, J.W. ....BDM  
Walls, S.K. ....MKA

**Puerto Cabello**  
deChelmski, V. ....ME

## EUROPE

### BELGIUM

**Gand**  
Bessemans, J.F.A.A. N

**Mons**  
Duwez, Pol E. ....B

### BULGARIA

**Sofia**  
Peneva, Petrana ....N

### CZECHO-SLOVAKIA

**Brno**  
Krizenecky, J. ...FNO  
Smolik, L.C. ....O  
Ulehla, Vladimir ..G

**Praha**  
Prat, Silvestr. ....G

### DENMARK

**Copenhagen**  
Hansen, Arne ....CG  
Jacobsen, K.A. ....

**Frederiksvaerk**  
Nielsen, E.T. ....FB

### ENGLAND

**Altrincham**  
Peck, J.S. ....D

**Cambridge**  
MacCurdy, J.T. ....N

**Exmouth**  
Henstock, Herbert .CF

**London**  
Bennett, J.G. ....ABC  
Castellani, Aldo ....NC  
Crowther, J.G. ....  
Dalal, R.D. ....KLE  
Gates, R.R. ....GH

**London, Cont'd**  
Hill, A.V. ....F  
Scott, W.C.M. ....NI  
Webb, W.R. ....C

**Manchester**  
Fleming, A.P.M. BMQ  
Newcastle-upon-Tyne  
Page, B.S. ....LIE

**Oxford**  
Davy, J.Burt .....GO  
Kelley, G.L. ....C  
Simon, Franz ....BC

**Penrith**  
Docker, Mrs.M.E.B. FN

**Plymouth**  
Myers, Earl .....F

**Reading**  
Kay, H.D. ....ONC

**Taunton**  
Moore, B. ....OGF

**Tunbridge Wells**  
Cameron-Wright, H. BN

### FRANCE

**Bidart**  
Carolan, E.A. ....M

**Bordeaux**  
Dufrenoy, Jean ....G  
Servantie, Louis ....N

**Clairefontaine**  
duNouy, P.L. ....BCN

**Le Vesinet**  
Pieron, Henri ....IFH

**Marseille**  
Hurley, J.P. ....AMB

**Menton**  
Allis, E.P. ....NF

**Nice**  
Wasicky, Rich. ....CN

**Paris**  
May, R.M. ....FLN  
Plotz, Harry ....NF  
Tisdale, W.E. ....BDA  
Weill, R.F. ....F

### GERMANY

**Berlin**  
Kolzow, Hans .....  
Thurnwald, R.C. .HIK

**Dahlem-Berlin**  
Meissner, Alex. ...BM

**Ludwigshafen**  
Wietzel, Gustav .BCM

**Post Pönitz**  
(Ost-Holstein)  
Schoier, C.B.J. ....IHQ

**Steinau**  
Koenigsberger, J.G. BE

### HOLLAND

**Amsterdam**  
Stomps, Theo.J. ....G

**Eindhoven**  
deGroot, W. ....ABC

**Groningen**  
Jaeger, F.M. ....C

**Heerlen**  
van der Gracht, W.A.J.  
M.van W. BDE

**Hilversum**  
Rens, H. ....AH

**Leiden**  
Boschma, H. ....F

**Lisse**  
vanSlogteren, E. ....G

**Nijmegen**  
Mulder, A.J.M. ..BCQ

**The Hague**  
Junk, W. ....

### HUNGARY

**Budapest**  
Dreguss, M. ....NC  
Fellner, Wm. ....K  
Misangyi, Wm. .MKQ

**Szeged**  
Szent-Gyorgyi, A. .CN

### IRELAND

**Armagh**  
Lindsay, Eric ....D

### ITALY

**Milan**  
Ariano, Raffaele ....M  
Bravi, Eugenio ....CKM  
Buzzati-Traverso, A. JG

**Naples**  
Crudeli, Umberto AB1

**Rome**  
Modigliani, Piero PRK  
Tisserant, E.C. ....LCB

**Venice**  
Marcello, Alessandro G

### JUGOSLAVIA

**Zagreb**  
Miholic, S.S. ....CE  
Miloslavich, E.L. ....H  
Uvanovic, Daniel ...D

### LITHUANIA

**Kaunas**  
Sivickis, P.B. ....FCN  
Slavenas, Paul ..DAB

**LUXEMBOURG**

Luxembourg  
Medinger, Pierre .....

**NORWAY**

Bergen  
Bukhaug, K.E. ....N  
Karlsen, Miss A. ...GO  
Hjellum  
Wexelsen, Haakon GO  
Oslo  
Mohr, O.L. ....FN

**POLAND**

Krakow  
Drath, Adam ....EMB  
Snieszko, Stanislaw .O  
Osada Palacowa  
Szendei, Adolf ...OGC  
Poznan  
Suszko, Jerzy ....CBA  
Pulawy  
Minkiewicz, S. ....F  
Warsaw  
Kopeck, Stefan ....FNQ

**PORTUGAL**

Alcobaca  
Natividade, J.V. ...GO

**ROUMANIA**

Teleajen  
Small, W.M. . . . .EO

**SCOTLAND**

Aberdeen  
Cruickshank, E.W.H. N

Ayr  
Wright, Norman OCN

Edinburgh  
Kendall, James ..CB  
Muller, H.J. ....FNG  
Smith, A.D.B. ... OFG  
Thomson, Godfrey .IA

Glasgow  
Dunn, J.S. ....N

**SPAIN**

Granada  
Neumann, M.M.S.-N, EKB

Madrid  
Fath, A.E. ....E

**SWEDEN**

Gyttorp  
Ohman, Valter ...BCH

**Stockholm**

Arrhenius, Olof ..GOC  
Oseen, C.W. ....B  
Siegbahn, K.M.G. ...B

**Upsala**

Johansson, Ivar ....FO  
Mattson, Sante ..CO  
Svedberg, The .....C

**Wiad**

Bonnier, Gert ..FGO

**SWITZERLAND**

Basle  
Guggenheim, M. ....  
Rudin, Eduard ..FGE

**Geneva**

Hiller, Friedrich ....N  
Sweetser, Arthur ...  
Weigle, J.J. ....B

**Lausanne**

De Geofroy, George ..C

**Montreux**

Donner, W.H. ....BCN  
Willis, J.C. ....G

**Nyon**

Klebs, A.C. ....NL

**Vevey**

Flint, J.M. ....N

**Zurich**

Grumbach, Arthur ..N  
Ruzicka, L. ....CNB

**UNION OF  
SOCIALISTIC  
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REPUBLICS****Kiev**

Cholodny, N. . . .GO

**Leningrad**

Joffe, A.F. ....B  
Vavilov, N.I. ....GF

**Moscow**

Issatchenko, B. ....GO  
Kostoff, Dontcho ..GF  
Pranishnikov, D.H. GO  
Vernadsky, W.Y. CED

**Saratov**

Tulaikov, N.M. ....OO

**WALES****Aberystwyth**

Whyte, R.O. ....OGE

**Penarth**

Rees, John .....D









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